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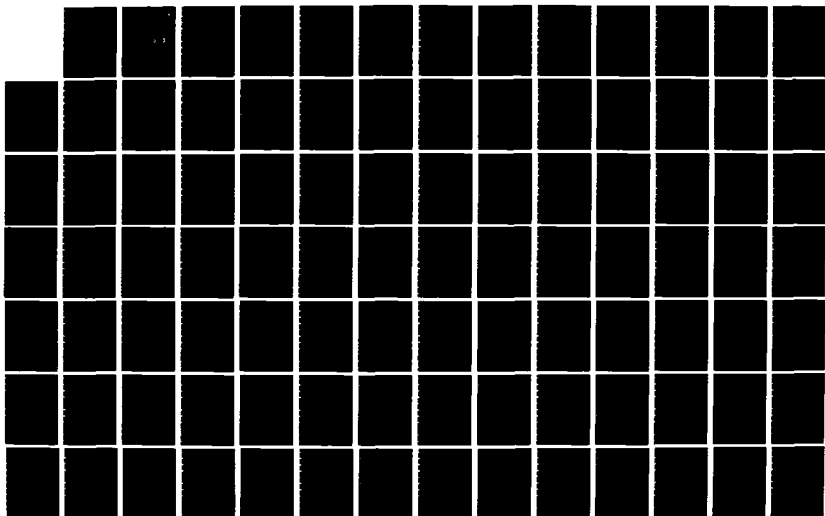
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Contract No. N00039-84-C-0070

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EXTREMELY LOW FREQUENCY (ELF) COMMUNICATIONS SYSTEM
BIO-EFFECTS LIBRARY DEVELOPMENT

M. M. Abromavage
J. J. English
L. M. Kudia
M. S. MacIntyre

October 1985

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Prepared for:

Communications Systems Project Office
Space and Naval Warfare Systems Command
Washington, D.C. 20363-5100

Prepared by:

IIT Research Institute
10 West 35th Street
Chicago, Illinois 60616

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FOREWORD

This report describes the development of an Extremely Low Frequency (ELF) Bio-Effects Library. The purpose of the Library is to provide a means for identifying the scientific and engineering literature that may be helpful for periodically evaluating the influence of the U.S. Navy's ELF Communications System electromagnetic fields on the environment. The Library includes citations of literature that have appeared since the most recent evaluation was completed (Biological and Human Health Effects of Extremely Low Frequency Electromagnetic Fields; American Institute of Biological Sciences, Arlington, VA; March 1985), with some citations pre-dating 1984 that were not available for that evaluation.

This work was funded by the Space and Naval Warfare Systems Command under Contract N00039-84-C-0070 with IIT Research Institute.

Respectfully submitted,
IIT RESEARCH INSTITUTE

M. M. Abromavage
M. M. Abromavage
Task Leader

Approved:

R. D. Carlson
R. D. Carlson
Program Manager

A. R. Valentino
A. R. Valentino, Director
Electromagnetics Department

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1. INTRODUCTION

1.1 PURPOSE

The purpose of the Extremely Low Frequency (ELF) Bio-Effects Library is to provide the source material from the available scientific and engineering literature that may be useful for periodically evaluating the influence of the U.S. Navy's ELF Communications System electromagnetic fields on the environment.

1.2 SCOPE

The most recent evaluation of this question was completed for the Department of the Navy in March 1985 (Biological and Human Health Effects of Extremely Low Frequency Electromagnetic Fields; American Institute of Biological Sciences, Arlington, VA). That evaluation included the available literature published between January 1977 and about August 1984. The present effort includes the literature published and available since then, and some literature pre-dating 1984 that was not available in sufficient time to be included in the March 1985 evaluation. For the purposes of this work, the electromagnetic field frequency range was specified as 300 Hz or less, excluding DC electric and magnetic fields. Modulated and unmodulated electromagnetic fields are included.

1.3 SOURCES OF INFORMATION

A commercial search service (DIALOG Information Services, Inc.) was used as the principal source of information about literature published and/or listed between July 1984 and July 1985. This source was augmented by reviewing appropriate scientific and engineering journals published during the same period. Other information was kindly supplied by professional acquaintances.

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2. LIBRARY DEVELOPMENT

2.1 SUBJECT CATEGORIES

Six subject categories were initially selected to identify and compartmentalize the available literature. A seventh category was subsequently found to be necessary because investigators/authors sometimes do not describe experimental conditions adequately. The following categories were used:

- ac electric fields
- ac magnetic fields
- atmospheric fields
- geomagnetic fields
- unconventional electric fields
- unconventional magnetic fields
- unspecified fields

The first two categories are self-explanatory. Atmospheric fields refer to fields produced by natural sources in air or in conductive media such as soil. They may be electric or magnetic. Unconventional fields refer to sources that are pulsed on and off at rates equivalent to a continuous-wave frequency of 300 Hz or less. As noted above, unspecified fields refer to those incompletely described by investigators/authors. Multiple categories were assigned to citations where appropriate.

2.2 KEY TERMS - RESEARCH END POINTS

Each citation was examined sufficiently to assign at least one key term to describe the content of the research. The key terms are intended only as a preliminary guide for users of the library, and the terms were selected to portray the questions most often asked about the environmental influence of the ELF Communications System and its electromagnetic fields. Both biology and engineering key terms are included. The list of 88 key terms is provided in Table 1.

Citations that are literature reviews or research assessments encompassing a broad spectrum of interests were assigned the "all-inclusive" key term. Those addressing a more limited interest were assigned an appropriate number of key terms.

2.3 KEY TERMS - SPECIES

The species used by or otherwise referred to by investigators/authors are included in each citation. As with electromagnetic fields, some citations do not provide adequate species identification. In such cases the "unspecified" key term was assigned to the citation. The "all-inclusive" key term was used for citations of literature reviews and research assessments covering a wide spectrum of species. The species list is provided in Table 2.

2.4 LIST OF CITATIONS

The list of 485 citations, arranged alphabetically by principal investigator/author, follows.

TABLE 1

LIST OF KEY TERMS - RESEARCH END POINTS

A. Administrative Proceedings Aesthetic Syndrome Appliance Fields Assessment Methods Aversion	F. Fertility Field Equations Food/Water Intake	P. Pathology Phantom Models Perception Physiology Population Dynamics Psychology Protective Clothing Public Health
B. Behavior Biochemistry Body Current Body-Ground Impedance Body Impedance Body Surface Field Bone Growth/Repair Brain System	G. Genetics Growth and Development	Q. -
C. Calcium Efflux Cancer Cardiac Pacemakers Cardiovascular Function Cell Communications Cell Systems Chromosome Breaks Circadian Rhythms Clinical Medicine Current Density	H. Heart Rate Human Health I. Immunology Inductive Coupling Instrumentation Internal Fields J-K. -	R. Reproduction Residential Fields Respiration Rate Research Assessment
D. DNA Dosimetry	L. Leukemia Limb Regeneration Literature Review M. Magnetic Field Measurements Measurement Methods Mechanisms Metabolism Migration Milk Production Mitotic Cycle Modeling Modulation Mortality	S. Scaling Factors Shielding Effect Spark Discharge Species Diversity Step Potential Stress Response
E. Ecology Studies Electric Field Measurements Electric Shock Electrosensitivity Embryology Endocrinology Epidemiology Exposure Facilities Exposure Standards	N. Nerve Regeneration Neuroendocrine System Neurophysiology O. Occupational Health Optical Effects Oral Medicine Orientation	T. Tissue Cultures Tumors U. Unspecified V. Veterinary Medicine W. Window Effect Wound Healing X-Y-Z. -

TABLE 2
LIST OF KEY TERMS - SPECIES

All-Inclusive	Large Mammals
Airborne Insects	Livestock
Amphibians	
Aquatic Insects	Marine Organisms
Bacteria	Plants
	Pollinating Insects
Canines	Primates
Cats	
Crops	Small Mammals
	Soil Organisms
Domestic Fowl	
	Trees
Fish	
	Unspecified
Grasses	
	Wildlife
Humans	

DESCRIPTIVE NOTES FOR THE USER

SELF BIOLOGICAL EFFECTS LITERATURE DATABASE

AUTHOR(S):	1
TITLE:	2
PUBLICATION DATE:	3
SOURCE:	7
LANGUAGE:	4
ABSTRACT:	5
INDEX NUMBER:	6
SUBJECT CATEGORIES	8
EMB POINTS	9
SPECIES	10

1. Authors listed as in original publication
2. Title listed as in original publication
3. Month and Year of original publication
4. Foreign language of text noted, if appropriate; blank infers English language
5. "YES" indicates citation is available only as an abstract
"ENGLISH" indicates English language abstract accompanies foreign language text
6. Library reference number for citation
7. Publication/Copyright Source
8. See page 3, up to six listed
9. See Table 1, up to 30 listed
10. See Table 2, up to 10 listed

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ELF BIOLOGICAL EFFECTS LITERATURE DATABASE

PAGE 1

AUTHOR(S): ADEY, W.R.

TITLE: NEUROPHYSIOLOGICAL EFFECTS OF RADIOFREQUENCY AND MICROWAVE RADIATION

PUBLICATION DATE: DECEMBER 1979

LANGUAGE:

ABSTRACT:

INDEX NUMBER: 79009

SOURCE: BULLETIN OF THE NEW YORK ACADEMY OF MEDICINE, VOL. 55, NO. 11, PP. 1079-1093

SUBJECT CATEGORIES	END POINTS	SPECIES
AC ELECTRIC FIELDS		
BRAIN SYSTEM		AVIANS
CALCIUM EFFLUX		DOMESTIC FOWL
CELL SYSTEMS		FISH
CIRCADIAN RHYTHMS		HUMANS
MODELING		PRIMATES
MODULATION		
PSYCHOLOGY		
WINDOW EFFECT		

AUTHOR(S): ADEY, W.R.

TITLE: FREQUENCY AND POWER WINDOWING IN TISSUE INTERACTIONS WITH WEAK ELECTROMAGNETIC FIELDS

PUBLICATION DATE: 1980

LANGUAGE:

ABSTRACT:

INDEX NUMBER: 80003

SOURCE: PROCEEDINGS OF THE IEEE, VOL. 68, NO. 1, PP. 119-125

SUBJECT CATEGORIES	END POINTS	SPECIES
AC ELECTRIC FIELDS		
BEHAVIOR		AVIANS
CALCIUM EFFLUX		DOMESTIC FOWL
CELL SYSTEMS		FISH
CIRCADIAN RHYTHMS		HUMANS
CURRENT DENSITY		PRIMATES
MECHANISMS		
MODELING		
NEUROPHYSIOLOGY		
PSYCHOLOGY		
WINDOW EFFECT		

PAGE 2 ELF BIOLOGICAL EFFECTS LITERATURE DATABASE

AUTHOR(S): ADEY, W.R.

TITLE: NON-EQUILIBRIUM MODELS OF CELL MEMBRANE INTERACTIONS WITH WEAK ELECTROMAGNETIC FIELDS

PUBLICATION DATE: MARCH 1982

LANGUAGE:

ABSTRACT: YES

INDEX NUMBER: 82007

SOURCE: ABSTRACTS OF THE AMERICAN CHEMICAL SOCIETY, 183

SUBJECT CATEGORIES	END POINTS	SPECIES
UNSPECIFIED FIELDS		
CALCIUM EFFLUX		UNSPECIFIED
CELL SYSTEMS		
MECHANISMS		
MODELING		
WINDOW EFFECT		

AUTHOR(S): ADEY, W.R. BAWIN, S.N.

TITLE: BRAIN INTERACTIONS WITH WEAK ELECTRIC AND MAGNETIC FIELDS

PUBLICATION DATE: JANUARY 1977

LANGUAGE:

ABSTRACT:

INDEX NUMBER: 77005

SOURCE: NEUROSCIENCES RESEARCH PROGRAM BULLETIN, VOL. 15, NO. 1

SUBJECT CATEGORIES	END POINTS	SPECIES
AC ELECTRIC FIELDS		
ATMOSPHERIC FIELDS		AVIANS
GEOMAGNETIC FIELDS	BEHAVIOR	CATS
UNCONVENTIONAL ELECTRIC FIELDS	BRAIN SYSTEM	DOMESTIC FOWL
	CALCIUM EFFLUX	FISH
	CELL COMMUNICATIONS	HUMANS
	CIRCADIAN RHYTHMS	PRIMATES
	ELECTROSENSITIVITY	
	FIELD EQUATIONS	
	MECHANISMS	
	MODULATION	
	NEUROPHYSIOLOGY	
	ORIENTATION	
	PSYCHOLOGY	
	RESEARCH ASSESSMENT	

PAGE 3

ELF BIOLOGICAL EFFECTS LITERATURE DATABASE

AUTHOR(S): ADEY, M.R. BANIN, S.M. SAGAN, P.M.

TITLE: EFFECTS OF 60 HZ ENVIRONMENTAL ELECTRIC FIELDS ON THE MAMMALIAN CENTRAL NERVOUS SYSTEM

PUBLICATION DATE: APRIL 1979

LANGUAGE:

ABSTRACT:

INDEX NUMBER: 79002

SOURCE: FINAL REPORT TO OFFICE OF NAVAL RESEARCH BY VETERANS ADMINISTRATION MEDICAL CENTER LOMA LINDA

SUBJECT CATEGORIES

AC ELECTRIC FIELDS

BEHAVIOR

BIOCHEMISTRY

FOOD/WATER INTAKE

PATHOLOGY

END POINTS

SPECIES

SMALL MAMMALS

AUTHOR(S): ALLIESEI, O. ISAC, M.

TITLE: THE INFLUENCE OF MAGNETIC FIELDS ON THE SERUM PROTEINS

PUBLICATION DATE: APRIL-JUNE 1978

LANGUAGE: ROMANIAN

ABSTRACT: ENGLISH

INDEX NUMBER: 78012

SOURCE: REV MED CHIR SOC MED NAT IASI VOL. 82, NO. 2, PP. 299-304

SUBJECT CATEGORIES

UNCONVENTIONAL MAGNETIC FIELDS

BIOCHEMISTRY

END POINTS

SPECIES

UNSPECIFIED

PAGE 4 ELF BIOLOGICAL EFFECTS LITERATURE DATABASE

AUTHOR(S): AKDEV, S.N. MURAVEIKO, V.M.

TITLE: PHYSIOLOGICAL PROPERTIES OF LATERAL LINE RECEPTORS OF THE LAURREV

PUBLICATION DATE: AUGUST 1984

LANGUAGE:

ABSTRACT:

INDEX NUMBER: 84053

SOURCE: NEUROSCIENCE LETTERS, NO. 49, PP. 171-173

SUBJECT CATEGORIES	END POINTS	SPECIES
UNCONVENTIONAL ELECTRIC FIELDS		FISH
ELECTROSENSITIVITY		
NEUROPHYSIOLOGY		

AUTHOR(S): ALBERT, E.M. COMEN, G.

TITLE: EFFECTS OF ELF FIELDS ON NEURAL DEVELOPMENT AND NERVE REGENERATION

PUBLICATION DATE: MAY 1985

LANGUAGE:

ABSTRACT:

INDEX NUMBER: 85107

SOURCE: ASSESSMENTS AND VIEWPOINTS ON THE BIOLOGICAL AND HUMAN HEALTH EFFECTS OF EXTREMELY LOW FREQUENCY (ELF) ELECTROMAGNETIC FIELDS; AMERICAN INSTITUTE OF BIOLOGICAL SCIENCES, PP. 1-14

SUBJECT CATEGORIES	END POINTS	SPECIES
AC ELECTRIC FIELDS		BACTERIA
AC MAGNETIC FIELDS		DOMESTIC FOWL
UNCONVENTIONAL MAGNETIC FIELDS		
BRAIN SYSTEM	RESEARCH ASSESSMENT	
CELL SYSTEMS	WINDOW EFFECT	
EMBRYOLOGY		
GROWTH AND DEVELOPMENT		
MECHANISMS		
MORTALITY		
NERVE REGENERATION		
NEUROPHYSIOLOGY		
PATHOLOGY		
REPRODUCTION		

ELF BIOLOGICAL EFFECTS LITERATURE DATABASE

PAGE 5

AUTHOR(S): ALBERT, E.M. SLADY, F.S.

TITLE: ELECTROMAGNETIC FIELDS AND CALCIUM EFFLUX

PUBLICATION DATE: MAY 1985

LANGUAGE:

ABSTRACT:

INDEX NUMBER: 85108

SOURCE: ASSESSMENTS AND VIEWPOINTS ON THE BIOLOGICAL AND HUMAN HEALTH EFFECTS OF EXTREMELY LOW FREQUENCY (ELF) ELECTROMAGNETIC FIELDS; AMERICAN INSTITUTE OF BIOLOGICAL SCIENCES, PP. 15-31

SUBJECT CATEGORIES

END POINTS

SPECIES

AC ELECTRIC FIELDS

BRAIN SYSTEM

CALCIUM EFFLUX

CELL COMMUNICATIONS

CELL SYSTEMS

HUMAN HEALTH

MODULATION

RESEARCH ASSESSMENT

CATS

DOMESTIC FOWL

HUMANS

SMALL MAMMALS

AUTHOR(S): ALBERT, E.M. YOSHIOKA, A. CAO, H. INAH, F.

TITLE: MODULATION OF FETAL RAT NEURITE GROWTH BY PULSING ELECTROMAGNETIC FIELDS

PUBLICATION DATE: JUNE 1985

LANGUAGE:

ABSTRACT: YES

INDEX NUMBER: 85017

SOURCE: BIOELECTROMAGNETICS SOCIETY 7TH ANNUAL MEETING

SUBJECT CATEGORIES

END POINTS

SPECIES

UNCONVENTIONAL ELECTRIC FIELDS

CELL SYSTEMS

SMALL MAMMALS

PAGE 6 ELF BIOLOGICAL EFFECTS LITERATURE DATABASE

AUTHOR(S): ALDRICH, T.E. EASTERLY, C.E.

TITLE: ELF FIELDS: A ROLE FOR EPIDEMIOLOGY

PUBLICATION DATE: JUNE 1985

LANGUAGE:

ABSTRACT:

INDEX NUMBER: 85057

SOURCE: BIOELECTROMAGNETICS SOCIETY 7TH ANNUAL MEETING

SUBJECT CATEGORIES	END POINTS	SPECIES
UNSPECIFIED FIELDS	ASSESSMENT METHODS EPIDEMIOLOGY HUMAN HEALTH OCCUPATIONAL HEALTH PUBLIC HEALTH	HUMANS

AUTHOR(S): ALBERS, B. HENNIGS, K.

TITLE: BIOLOGICAL EFFECTS OF ELECTROMAGNETIC FIELDS ON VERTEBRATES, A REVIEW

PUBLICATION DATE: 1983

LANGUAGE:

ABSTRACT:

INDEX NUMBER: 83018

SOURCE: VETERINARY RESEARCH COMMUNICATIONS, VOL. 6, PP. 265-279

SUBJECT CATEGORIES	END POINTS	SPECIES
AC ELECTRIC FIELDS AC MAGNETIC FIELDS	MITOTIC CYCLE MORTALITY PSYCHOLOGY REPRODUCTION RESPIRATION RATE	AVIANS HUMANS LIVESTOCK PRIMATES SMALL MAMMALS WILDLIFE
	AESTHETIC SYNDROME BEHAVIOR BIOCHEMISTRY BRAIN SYSTEM CELL SYSTEMS CIRCADIAN RHYTHMS IMMUNOLOGY LITERATURE REVIEW MECHANISMS METABOLISM	

PAGE 7

ELF BIOLOGICAL EFFECTS LITERATURE DATABASE

AUTHOR(S): ANDERSON, A.M. HASTINGS, G.M.

TITLE: OBSERVATIONS ON THE EFFECTS OF PEMF'S ON IN VITRO MACROMOLECULAR MODELS

PUBLICATION DATE: SEPTEMBER 1982

LANGUAGE:

ABSTRACT: YES

INDEX NUMBER: 82043

SOURCE: TRANSACTIONS OF THE SECOND ANNUAL MEETING OF THE BIOELECTRICAL REPAIR AND GROWTH SOCIETY, P. 60

SUBJECT CATEGORIES

END POINTS

SPECIES

UNSPECIFIED FIELDS

BONE GROWTH/REPAIR

UNSPECIFIED

AUTHOR(S): ANDERSON, L.E.

TITLE: NEUROCHEMICAL EFFECTS OF 60-HZ ELECTRIC FIELDS

PUBLICATION DATE: 1982

LANGUAGE:

ABSTRACT: YES

INDEX NUMBER: 82059

SOURCE: U.S. DEPARTMENT OF ENERGY CONTRACTORS REVIEW

SUBJECT CATEGORIES

END POINTS

SPECIES

AC ELECTRIC FIELDS

BIOCHEMISTRY

CIRCADIAN RHYTHMS

NEUROENDOCRINE SYSTEM

SMALL MAMMALS

PAGE 8 ELF BIOLOGICAL EFFECTS LITERATURE DATABASE

AUTHOR(S): ANDERSON, L.E.

TITLE: INTERACTION OF ELF ELECTRIC AND MAGNETIC FIELDS WITH NEURAL AND NEUROENDOCRINE SYSTEMS

PUBLICATION DATE: MARCH 1985

LANGUAGE:

ABSTRACT:

INDEX NUMBER: B5091

SOURCE: BIOLOGICAL AND HUMAN HEALTH EFFECTS OF EXTREMELY LOW FREQUENCY ELECTROMAGNETIC FIELDS; AMERICAN INSTITUTE OF BIOLOGICAL SCIENCES, CHAPTER 6

SPECIES

END POINTS

SUBJECT CATEGORIES

ALL-INCLUSIVE

RESEARCH ASSESSMENT

AC ELECTRIC FIELDS
AC MAGNETIC FIELDS
BEHAVIOR
BIOCHEMISTRY
CALCIUM EFFLUX
ENDOCRINOLOGY
EPIDEMIOLOGY
HUMAN HEALTH
LITERATURE REVIEW
NEUROENDOCRINE SYSTEM
NEUROPHYSIOLOGY
OCCUPATIONAL HEALTH

AUTHOR(S): ANDRIANOV, G.M. BROWN, G.R. ILYINSKY, O.B. MURAVEIKO, V.M.

TITLE: FREQUENCY CHARACTERISTICS OF CENTRAL NEURONS OF THE ELECTRORECEPTOR SYSTEM OF THE SKATE IN RESPONSE TO ELECTRIC AND MAGNETIC FIELDS

PUBLICATION DATE: 1984

LANGUAGE: RUSSIAN

ABSTRACT: ENGLISH

INDEX NUMBER: B4054

SOURCE: NEIROFIZIOLOGIYA, VOL. 6, NO. 4, PP. 464-470

SPECIES

END POINTS

SUBJECT CATEGORIES

AC ELECTRIC FIELDS
AC MAGNETIC FIELDS
ELECTROSENSITIVITY
NEUROPHYSIOLOGY
FISH

PAGE 9

ELF BIOLOGICAL EFFECTS LITERATURE DATABASE

AUTHOR(S): ANDRIENKO, L.G.

TITLE: EFFECT OF ELECTROMAGNETIC FIELD OF INDUSTRIAL FREQUENCY ON THE GENERATIVE FUNCTION IN EXPERIMENT

PUBLICATION DATE: 1977

LANGUAGE: RUSSIAN

ABSTRACT: ENGLISH

INDEX NUMBER: 77015

SOURCE: CIGIENIA I SANITARIYA, NO. 6, PP.22-25

SUBJECT CATEGORIES

END POINTS

SPECIES

AC ELECTRIC FIELDS

REPRODUCTION

SMALL MAMMALS

AUTHOR(S): ANONYMOUS

TITLE: INFLUENCE OF HIGH AND ULTRA-HIGH VOLTAGE LINES ON THE ENVIRONMENT. A SURVEY

PUBLICATION DATE: JANUARY 1980

LANGUAGE: GERMAN

ABSTRACT: ENGLISH

INDEX NUMBER: 80008

SOURCE: ARCHIV FUR ENERGIEWIRTSCHAFT

SUBJECT CATEGORIES

END POINTS

SPECIES

AC MAGNETIC FIELDS

ASSESSMENT METHODS

BODY CURRENT

LITERATURE REVIEW

HUMANS

PAGE 10 ELF BIOLOGICAL EFFECTS LITERATURE DATABASE

AUTHOR(S): ANONYMOUS

TITLE: BIOLOGICAL EFFECTS OF 60-HZ POWER TRANSMISSION LINES

PUBLICATION DATE: MARCH 1985

LANGUAGE:

ABSTRACT:

INDEX NUMBER: 85062

SOURCE: FLORIDA DEPARTMENT OF ENVIRONMENTAL REGULATION

SUBJECT CATEGORIES	END POINTS	SPECIES
AC ELECTRIC FIELDS AC MAGNETIC FIELDS	RESEARCH ASSESSMENT	ALL-INCLUSIVE

AUTHOR(S): ANONYMOUS

TITLE: ENVIRONMENTAL HEALTH CRITERIA 35, EXTREMELY LOW FREQUENCY (ELF) FIELDS

PUBLICATION DATE: 1984

LANGUAGE:

ABSTRACT:

INDEX NUMBER: 84004

SOURCE: WORLD HEALTH ORGANIZATION, GENEVA

SUBJECT CATEGORIES	END POINTS	SPECIES
AC ELECTRIC FIELDS AC MAGNETIC FIELDS ATMOSPHERIC FIELDS GEOMAGNETIC FIELDS	BEHAVIOR BIOCHEMISTRY BRAIN SYSTEM CALCIUM EFFLUX CANCER CARDIAC PACEMAKERS CARDIOVASCULAR FUNCTION CELL SYSTEMS CIRCADIAN RHYTHMS CURRENT DENSITY	CATS DOMESTIC FOWL HUMANS LIVESTOCK MARINE ORGANISMS PRIMATES SMALL MAMMALS SOIL ORGANISMS
	ELECTRIC FIELD MEASUREMENTS EMBRYOLOGY ENDOCRINOLOGY EPIDEMOLOGY EXPOSURE STANDARDS FERTILITY FIELD EQUATIONS GENETICS GROWTH AND DEVELOPMENT HUMAN HEALTH	
	IMMUNOLOGY INSTRUMENTATION LEUKEMIA LITERATURE REVIEW MAGNETIC FIELD MEASUREMENTS MECHANISMS MITOTIC CYCLE MODELING MODULATION RESEARCH ASSESSMENT	

ELF BIOLOGICAL EFFECTS LITERATURE DATABASE

PAGE 11

AUTHOR(S): ANONYMOUS

TITLE: MEASUREMENT OF ELECTRIC AND MAGNETIC FIELDS FROM ALTERNATING CURRENT POWER LINES

PUBLICATION DATE: JULY 1977

LANGUAGE:

ABSTRACT:

INDEX NUMBER: 77031

SOURCE: IEEE POWER ENGINEERING SOCIETY SUMMER MEETING, PAPER F 77 591-1

SUBJECT CATEGORIES	END POINTS	SPECIES
AC ELECTRIC FIELDS	FIELD EQUATIONS	
AC MAGNETIC FIELDS	MEASUREMENT METHODS	UNSPECIFIED

AUTHOR(S): ANONYMOUS

TITLE: THE ENVIRONMENTAL EFFECTS OF ELECTRO-MAGNETIC FIELD CREATED BY EXTRA-HIGH VOLTAGE POWER LINES

PUBLICATION DATE: DECEMBER 1981

LANGUAGE:

ABSTRACT:

INDEX NUMBER: 81032

SOURCE: UNITED NATIONS ECONOMIC AND SOCIAL COUNCIL, UNION OF SOVIET SOCIALIST REPUBLICS

SUBJECT CATEGORIES	END POINTS	SPECIES
AC ELECTRIC FIELDS	BIOCHEMISTRY	FISH
	BODY CURRENT	HUMANS
	CARDIOVASCULAR FUNCTION	LIVESTOCK
	ELECTRIC SHOCK	PLANTS
	EXPOSURE STANDARDS	POLLINATING INSECTS
	GROWTH AND DEVELOPMENT	
	HUMAN HEALTH	
	NEUROPHYSIOLOGY	
	OCCUPATIONAL HEALTH	
	PHYSIOLOGY	
	PUBLIC HEALTH	

PAGE 12 ELF BIOLOGICAL EFFECTS LITERATURE DATABASE

AUTHOR(S): ANONYMOUS

TITLE: PROPOSALS FOR THE HEALTH PROTECTION OF WORKERS AND MEMBERS OF THE PUBLIC AGAINST THE DANGERS OF EXTRA LOW FREQUENCY, RADIOFREQUENCY AND MICROWAVE RADIATIONS:
A CONSULTATIVE DOCUMENT

PUBLICATION DATE: DECEMBER 1982

LANGUAGE:

ABSTRACT:

INDEX NUMBER: 82078

SOURCE: UNITED KINGDOM NATIONAL RADIOLOGICAL PROTECTION BOARD

SUBJECT CATEGORIES	END POINTS	SPECIES
AC ELECTRIC FIELDS	EXPOSURE STANDARDS	HUMANS
AC MAGNETIC FIELDS	OCCUPATIONAL HEALTH	
	PUBLIC HEALTH	

AUTHOR(S): ANONYMOUS

TITLE: ENVIRONMENTAL EFFECTS OF THE ELECTRIC FIELDS CREATED BY ELECTRIC POWER TRANSMISSION STRUCTURES

PUBLICATION DATE: SEPTEMBER 1982

LANGUAGE:

ABSTRACT:

INDEX NUMBER: 82079

SOURCE: UNITED NATIONS ECONOMIC AND SOCIAL COUNCIL, GOVERNMENT OF FRANCE

SUBJECT CATEGORIES	END POINTS	SPECIES
AC ELECTRIC FIELDS	NEUROPHYSIOLOGY	ALL-INCLUSIVE
AC MAGNETIC FIELDS	OCCUPATIONAL HEALTH	
	PERCEPTION	
	PUBLIC HEALTH	
	AESTHETIC SYNDROME	
	BIOCHEMISTRY	
	CARDIOVASCULAR FUNCTION	
	CELL SYSTEMS	
	ELECTRIC SHOCK	
	EPIDEMIOLOGY	
	EXPOSURE STANDARDS	
	HUMAN HEALTH	
	LITERATURE REVIEW	
	MECHANISMS	

ELF BIOLOGICAL EFFECTS LITERATURE DATABASE

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AUTHOR(S): ANONYMOUS

TITLE: ENVIRONMENTAL EFFECTS OF ELECTRIC AND MAGNETIC FIELDS AND AIR-IONS NEAR ELECTRIC POWER TRANSMISSION PLANTS

PUBLICATION DATE: OCTOBER 1982 LANGUAGE: ABSTRACT: INDEX NUMBER: 82080

SOURCE: UNITED NATIONS ECONOMIC AND SOCIAL COUNCIL, UNITED KINGDOM GOVERNMENT

SUBJECT CATEGORIES	END POINTS	SPECIES
AC ELECTRIC FIELDS	ELECTRIC SHOCK	
AC MAGNETIC FIELDS	HUMAN HEALTH	HUMANS
	PUBLIC HEALTH	

AUTHOR(S): ANONYMOUS

TITLE: PREFERRED AND ALTERNATE ROUTES FOR THE BONNEVILLE POWER ADMINISTRATION'S 500-KV TRANSMISSION LINE FROM GARRISON WEST

PUBLICATION DATE: APRIL 1983 LANGUAGE: ABSTRACT: INDEX NUMBER: 83017

SOURCE: MONTANA DEPARTMENT OF NATURAL RESOURCES AND CONSERVATION, CHAPTER 2

SUBJECT CATEGORIES	END POINTS	SPECIES
AC ELECTRIC FIELDS	ADMINISTRATIVE PROCEEDINGS	
	EXPOSURE STANDARDS	ALL-INCLUSIVE

ELF BIOLOGICAL EFFECTS LITERATURE DATABASE

PAGE 14

AUTHOR(S): ANONYMOUS

TITLE: ENVIRONMENTAL EFFECTS OF ELECTRIC FIELDS NEAR POWER TRANSMISSION NETWORKS

PUBLICATION DATE: MAY 1984

LANGUAGE:

ABSTRACT:

INDEX NUMBER: 84029

SOURCE: ELECTRA, NO. 94 (CIGRE WORKING GROUP 01 OF STUDY COMMITTEE 36, INTERFERENCE), PP. 97-109

SUBJECT CATEGORIES

END POINTS

SPECIES

AC ELECTRIC FIELDS

BODY CURRENT
CARDIAC PACEMAKERS
ELECTRIC SHOCK
INDUCTIVE COUPLING
PERCEPTION
SPARK DISCHARGE

HUMANS

AUTHOR(S): ANONYMOUS

TITLE: BIOLOGICAL AND HUMAN HEALTH EFFECTS OF EXTREMELY LOW FREQUENCY ELECTROMAGNETIC FIELDS

PUBLICATION DATE: MARCH 1985

LANGUAGE:

ABSTRACT:

INDEX NUMBER: 85086

SOURCE: AMERICAN INSTITUTE OF BIOLOGICAL SCIENCES

SUBJECT CATEGORIES

END POINTS

SPECIES

AC ELECTRIC FIELDS
AC MAGNETIC FIELDS

RESEARCH ASSESSMENT

ALL-INCLUSIVE

ELF BIOLOGICAL EFFECTS LITERATURE DATABASE

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AUTHOR(S): ANONYMOUS

TITLE: EXTREMELY LOW FREQUENCY (ELF) COMMUNICATIONS SYSTEM AND ITS ELECTROMAGNETIC FIELDS

PUBLICATION DATE: MARCH 1985

LANGUAGE:

ABSTRACT:

INDEX NUMBER: 85096

SOURCE: BIOLOGICAL AND HUMAN HEALTH EFFECTS OF EXTREMELY LOW FREQUENCY ELECTROMAGNETIC FIELDS; AMERICAN INSTITUTE OF BIOLOGICAL SCIENCES, APPENDIX A

SUBJECT CATEGORIES	END POINTS	SPECIES
AC ELECTRIC FIELDS	ELECTRIC FIELD MEASUREMENTS	UNSPECIFIED
AC MAGNETIC FIELDS	FIELD EQUATIONS	
	MAGNETIC FIELD MEASUREMENTS	
	MODULATION	
	RESIDENTIAL FIELDS	
	STEP POTENTIAL	

AUTHOR(S): ANONYMOUS

TITLE: ASSESSMENTS AND VIEWPOINTS ON THE BIOLOGICAL AND HUMAN HEALTH EFFECTS OF EXTREMELY LOW FREQUENCY (ELF) ELECTROMAGNETIC FIELDS

PUBLICATION DATE: MAY 1985

LANGUAGE:

ABSTRACT:

INDEX NUMBER: 85106

SOURCE: AMERICAN INSTITUTE OF BIOLOGICAL SCIENCES

SUBJECT CATEGORIES	END POINTS	SPECIES
AC ELECTRIC FIELDS	RESEARCH ASSESSMENT	ALL-INCLUSIVE
AC MAGNETIC FIELDS		

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ELF BIOLOGICAL EFFECTS LITERATURE DATABASE

AUTHOR(S): ANONYMOUS

TITLE: COMPILATION OF 1984 ANNUAL REPORTS OF THE NAVY ELF COMMUNICATIONS SYSTEM ECOLOGICAL MONITORING PROGRAM

PUBLICATION DATE: JUNE 1985

LANGUAGE:

ABSTRACT:

INDEX NUMBER: 85126

SOURCE: SPACE AND NAVAL WARFARE SYSTEMS COMMAND, IIT RESEARCH INSTITUTE REPORT ED6S49-17 (2 VOLUMES)

SUBJECT CATEGORIES

END POINTS

SPECIES

AC ELECTRIC FIELDS
AC MAGNETIC FIELDS

ASSESSMENT METHODS
BEHAVIOR
ECOLOGY STUDIES
EMBRYOLOGY
GROWTH AND DEVELOPMENT
MIGRATION
MITOTIC CYCLE
ORIENTATION
POPULATION DYNAMICS
PHYSIOLOGY

REPRODUCTION
SPECIES DIVERSITY

AQUATIC SPECIES
AVIANS
BACTERIA
FISH
MARINE ORGANISMS
PLANTS
POLLINATING INSECTS
SMALL MAMMALS
SOIL ORGANISMS
TREES

AUTHOR(S): ANTONIAZZI, D. VITTADINI, G. PUGLIESE, F. FRANCO, G. RUBINI, V. BIAZZI, L.

TITLE: PROPOSAL FOR ESTIMATING PSYCHOLOGICAL EFFECT OF NON-IONIZING RADIATION EXPOSURE IN THE WORKPLACE

PUBLICATION DATE: 1983

LANGUAGE: ITALIAN

ABSTRACT: ENGLISH

INDEX NUMBER: 83023

SOURCE: 6. ITAL. MED. LAV, VOL. 5, NO. 4. PP. 181-186

SUBJECT CATEGORIES

END POINTS

SPECIES

AC ELECTRIC FIELDS
AC MAGNETIC FIELDS

EXPOSURE STANDARDS
HUMAN HEALTH
OCCUPATIONAL HEALTH
PSYCHOLOGY

HUMANS

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ELF BIOLOGICAL EFFECTS LITERATURE DATABASE

AUTHOR(S): APPENTANSKIY, A. GORDON, Z.V. TSESSARSKII, A.V.

TITLE: NEW STAGE IN DEVELOPMENT OF MEDICAL INSPECTION FOR SOURCES OF ELECTROMAGNETIC RADIATION (EMR) IN MOSCOW

PUBLICATION DATE: OCTOBER 1979

LANGUAGE: RUSSIAN

ABSTRACT: ENGLISH

INDEX NUMBER: 79016

SOURCE: GIGIENNA TRUDA PROFESSIONAL 'NYE TABOLEVANIYA NO. 10, PP. 49-51

SUBJECT CATEGORIES

END POINTS

SPECIES

UNSPECIFIED FIELDS

OCCUPATIONAL EXPOSURE

HUMANS

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AUTHOR(S): ARCHER, C.W. RATCLIFFE, N.A.

TITLE: THE EFFECTS OF PULSED MAGNETIC FIELDS ON BONE AND CARTILAGE IN VITRO

PUBLICATION DATE: NOVEMBER 1981

LANGUAGE:

ABSTRACT: YES

INDEX NUMBER: 81010

SOURCE: TRANSACTIONS OF THE FIRST ANNUAL MEETING OF THE BIOELECTRICAL REPAIR AND GROWTH SOCIETY, P. 1

SUBJECT CATEGORIES

END POINTS

SPECIES

UNCONVENTIONAL MAGNETIC FIELDS

BONE GROWTH/REPAIR
EMBRYOLOGY

DOMESTIC FOWL

PAGE 18 ELF BIOLOGICAL EFFECTS LITERATURE DATABASE

AUTHOR(S): ASHERL, R. VONFINKENSTEIN, A. LECHNER, F. BLUMEL, G.

TITLE: CHANCES AND PROBLEMS OF THE SUPPLEMENTARY TREATMENT OF CONGENITAL PSEUDARTHROSES OF THE TIBIA WITH ELECTRIC AND ELECTROMAGNETIC FIELDS

PUBLICATION DATE: SEPTEMBER 1982 LANGUAGE: ABSTRACT: YES INDEX NUMBER: 82046

SOURCE: TRANSACTIONS OF THE SECOND ANNUAL MEETING OF THE BIOELECTRICAL REPAIR AND GROWTH SOCIETY

SUBJECT CATEGORIES END POINTS SPECIES

UNSPECIFIED FIELDS BONE GROWTH/REPAIR
CLINICAL MEDICINE

HUMANS

AUTHOR(S): BAKER, R.R.

TITLE: GOAL ORIENTATION BY BLINDFOLDED HUMANS AFTER LONG-DISTANCE DISPLACEMENT; POSSIBLE INVOLVEMENT OF A MAGNETIC SENSE

PUBLICATION DATE: OCTOBER 1980 LANGUAGE: ABSTRACT: INDEX NUMBER: 80014

SOURCE: SCIENCE, VOL. 210, PP. 555-557

SUBJECT CATEGORIES END POINTS SPECIES

GEOMAGNETIC FIELDS ORIENTATION

HUMANS

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ELF BIOLOGICAL EFFECTS LITERATURE DATABASE

AUTHOR(S): BAKER, R.R. MATHER, J.G. KENNAUGH, J.H.

TITLE: MAGNETIC BONES IN HUMAN SINUSES

PUBLICATION DATE: JANUARY 1983

LANGUAGE:

ABSTRACT:

INDEX NUMBER: 83025

SOURCE: NATURE, VOL. 301, PP. 78-80

SUBJECT CATEGORIES

GEOMAGNETIC FIELDS

PHYSIOLOGY

END POINTS

SPECIES

HUMANS

AUTHOR(S): BAMBERGER, S. VALET, G. STORCH, F. RUHENSTROTH-BAUER, G.

TITLE: ELECTROMAGNETICALLY INDUCED FLUID STREAMING AS A POSSIBLE MECHANISM OF THE BIOMAGNETIC ORIENTATION OF ORGANISMS

PUBLICATION DATE: 1978

LANGUAGE:

ABSTRACT:

INDEX NUMBER: 78021

SOURCE: Z. NATURFORSCH. NO. 33C, PP. 159-160

SUBJECT CATEGORIES

GEOMAGNETIC FIELDS

CELL SYSTEMS

ELECTROSENSITIVITY

MECHANISMS

END POINTS

SPECIES

HUMANS

ELF BIOLOGICAL EFFECTS LITERATURE DATABASE

PAGE 20

AUTHOR(S): BAND, R. N.

TITLE: ELF COMMUNICATIONS SYSTEM ECOLOGICAL MONITORING PROGRAM, TASK 5.2, SOIL ANDEBA

PUBLICATION DATE: JUNE 1985

LANGUAGE:

ABSTRACT:

INDEX NUMBER: 85130

SOURCE: COMPILATION OF 1984 ANNUAL REPORTS OF THE NAVY COMMUNICATIONS SYSTEM ECOLOGICAL MONITORING PROGRAM, VOL. 1, TAB D, IIT RESEARCH INSTITUTE REPORT ED6549-17

SUBJECT CATEGORIES	END POINTS	SPECIES
AC ELECTRIC FIELDS AC MAGNETIC FIELDS	ASSESSMENT METHODS CELL SYSTEMS ECOLOGICAL STUDIES POPULATION DYNAMICS SPECIES DIVERSITY	SOIL ORGANISMS

AUTHOR(S): BANKS, R.S. KANNIAINEN, C.M. CLARK, R.D.

TITLE: PUBLIC HEALTH AND SAFETY EFFECTS OF HIGH-VOLTAGE OVERHEAD TRANSMISSION LINES: AN ANALYSIS FOR THE MINNESOTA ENVIRONMENTAL QUALITY BOARD

PUBLICATION DATE: OCTOBER 1977

LANGUAGE:

ABSTRACT:

INDEX NUMBER: 77024

SOURCE: MINNESOTA DEPARTMENT OF HEALTH

SUBJECT CATEGORIES	END POINTS	SPECIES
AC ELECTRIC FIELDS AC MAGNETIC FIELDS	ELECTRIC SHOCK EXPOSURE STANDARDS GENETICS GROWTH AND DEVELOPMENT HUMAN HEALTH LITERATURE REVIEW MECHANISMS OCCUPATIONAL HEALTH PATHOLOGY PHYSIOLOGY	HUMANS PRIMATES SMALL MAMMALS

ELF BIOLOGICAL EFFECTS LITERATURE DATABASE

PAGE 21

AUTHOR(S): BARBIROLI, D. FERRARI, S. BATTINI, R. MONTI, M.S. ZANON, P.

TITLE: PULSED ELF MAGNETIC FIELDS INFLUENCE THE EXPRESSION OF ONCOGENES DURING LIVER REGENERATION FOLLOWING PARTIAL HEPATECTOMY

PUBLICATION DATE: JUNE 1985

LANGUAGE:

ABSTRACT: YES

INDEX NUMBER: 85042

SOURCE: BIOELECTROMAGNETICS SOCIETY 7TH ANNUAL MEETING

SUBJECT CATEGORIES

END POINTS

SPECIES

UNCONVENTIONAL MAGNETIC FIELDS

CELL COMMUNICATIONS

SMALL MAMMALS

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AUTHOR(S): BARDASAND, J. MEYER, A. PICAZO, L.

TITLE: ULTRASTRUCTURAL CHANGES IN PINEAL CELLS OF THE MESSENGER PIGEON (COLUMBA LIVIA) INDUCED BY OSCILLATIONS OF ARTIFICIAL MAGNETIC FIELDS

1. NUCLEOLAR EXTRUSION

PUBLICATION DATE: 1981

LANGUAGE: SPANISH

ABSTRACT: ENGLISH

INDEX NUMBER: 81009

SOURCE: TRABAJOS DE INSTITUT CAJAL DE INVESTIGACIONES BIOLOGICAS VOL. LXXII, PP. 255-261

SUBJECT CATEGORIES

END POINTS

SPECIES

UNSPECIFIED FIELDS

CELL SYSTEMS
MECHANISMS

AVIANS

ELF BIOLOGICAL EFFECTS LITERATURE DATABASE

PAGE 22

AUTHOR(S): BARDASANO, J.L. MEYER, A. PICAZO, L.

TITLE: ULTRASTRUCTURAL CHANGES IN PINEAL CELLS OF MESSENGER PIGEON (COLUMBA LIVIA) INDUCED BY OSCILLATIONS OF ARTIFICIAL MAGNETIC FIELDS II. NUCLEOLAR CHANGES

PUBLICATION DATE: 1981 LANGUAGE: SPANISH ABSTRACT: ENGLISH INDEX NUMBER: 81003

SOURCE: TRABAJOS DE INSTITUTE CAJAL DE INVESTIGACIONES BIOLOGICAS, VOL. LXXII, PP. 263-268

SUBJECT CATEGORIES END POINTS SPECIES

AC MAGNETIC FIELDS CELL SYSTEMS AVIANS

AUTHOR(S): BARKER, A.T. JALINOS, R. FREESTON, J.L.

TITLE: NON-INVASIVE MAGNETIC STIMULATION OF HUMAN MOTOR CORTEX

PUBLICATION DATE: MAY 1985 LANGUAGE: ABSTRACT: INDEX NUMBER: 85065

SOURCE: THE LANCET, PP. 1106-1107

SUBJECT CATEGORIES END POINTS SPECIES

UNCONVENTIONAL MAGNETIC FIELDS CLINICAL MEDICINE HUMANS

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ELF BIOLOGICAL EFFECTS LITERATURE DATABASE

AUTHOR(S): BARKER, B.

TITLE: CANCER AND THE PROBLEMS OF RISK ASSESSMENT

PUBLICATION DATE: DECEMBER 1984

LANGUAGE:

ABSTRACT:

INDEX NUMBER: 84017

SOURCE: ELECTRIC POWER RESEARCH INSTITUTE JOURNAL, PP. 26-35

SUBJECT CATEGORIES

UNSPECIFIED FIELDS

ASSESSMENT METHODS
CANCER

END POINTS

SPECIES

HUMANS

AUTHOR(S): BARNES, F.S. WACHTEL, H. SAVITZ, D.

TITLE: MEASUREMENTS OF THE DISTRIBUTION OF 60-HZ FIELDS IN RESIDENCES

PUBLICATION DATE: JUNE 1985

LANGUAGE:

ABSTRACT: YES

INDEX NUMBER: 85060

SOURCE: BIOELECTROMAGNETICS SOCIETY 7TH ANNUAL MEETING

SUBJECT CATEGORIES

AC ELECTRIC FIELDS
AC MAGNETIC FIELDS

ELECTRIC FIELD MEASUREMENTS
EPIDEMIOLOGY
HUMAN HEALTH
MAGNETIC FIELD MEASUREMENTS
MEASUREMENT METHODS
PUBLIC HEALTH
RESIDENTIAL FIELDS

END POINTS

SPECIES

HUMANS

AUTHOR(S): BASSETT, C.A.L.

TITLE: NON-SURGICAL TREATMENT OF UNUNITED FRACTURES BY SPECIFIC PULSED ELECTROMAGNETIC FIELDS

PUBLICATION DATE: 1982

LANGUAGE: GERMAN

ABSTRACT: ENGLISH

INDEX NUMBER: 82077

SOURCE: Z. ORTHOP. VOL. 120, NO. 4, PP. 493-496

SUBJECT CATEGORIES

UNSPECIFIED FIELDS

BONE GROWTH/REPAIR
CLINICAL MEDICINE

END POINTS

SPECIES

CANINES
HUMANS

AUTHOR(S): BASSETT, C.A.L.

TITLE: THE DEVELOPMENT AND APPLICATION OF PULSED ELECTROMAGNETIC FIELDS (PEMFs) FOR UNUNITED FRACTURES AND ARTHRODESESES

PUBLICATION DATE: JANUARY 1984

LANGUAGE:

ABSTRACT:

INDEX NUMBER: 84027

SOURCE: ORTHOPEDIC CLINICS OF NORTH AMERICA, VOL. 15, NO. 1, PP. 61-87

SUBJECT CATEGORIES

UNCONVENTIONAL MAGNETIC FIELDS

BONE GROWTH/REPAIR
CLINICAL MEDICINE
MECHANISMS

END POINTS

SPECIES

HUMANS

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ELF BIOLOGICAL EFFECTS LITERATURE DATABASE

AUTHOR(S): BASSETT, C.A.L.

TITLE: BIOMEDICAL AND BIOPHYSICAL EFFECTS OF TIME-VARYING ELECTROMAGNETIC FIELDS

PUBLICATION DATE: APRIL 1984

LANGUAGE: GERMAN

ABSTRACT:

INDEX NUMBER: 84071

SOURCE: ORTHOPAED, VOL. 13, NO. 2, PP. 64-77

SUBJECT CATEGORIES

UNCONVENTIONAL MAGNETIC FIELDS

BONE GROWTH/REPAIR
LITERATURE REVIEW

END POINTS

SPECIES

HUMANS

AUTHOR(S): BASSETT, C.A.L. CAULD, M. KORT, J.

TITLE: CONGENITAL "PSEUDARTHROSES" OF THE TIBIA: TREATMENT WITH PULSING ELECTROMAGNETIC FIELDS

PUBLICATION DATE: JAN-FEBRUARY 1981

LANGUAGE:

ABSTRACT:

INDEX NUMBER: 81033

SOURCE: CLINICAL ORTHOPAEDICS AND RELATED RESEARCH, NO. 154, PP. 136-149

SUBJECT CATEGORIES

UNCONVENTIONAL MAGNETIC FIELDS

BONE GROWTH/REPAIR
CLINICAL MEDICINE

END POINTS

SPECIES

HUMANS

ELF BIOLOGICAL EFFECTS LITERATURE DATABASE

PAGE 26

AUTHOR(S): BASSETT, C.A.L. MITCHELL, S.M. SCHINK, M.M.

TITLE: TREATMENT OF THERAPEUTICALLY RESISTANT NON-UNIONS WITH BONE GRAFTS AND PULSING ELECTROMAGNETIC FIELDS

INDEX NUMBER: 82055

PUBLICATION DATE: OCTOBER 1982

LANGUAGE:

ABSTRACT:

SOURCE: THE JOURNAL OF BONE AND JOINT SURGERY, INC., VOL. 64-A, NO. 8, PP. 1214-1220

SUBJECT CATEGORIES

END POINTS

SPECIES

UNSPECIFIED FIELDS

BONE GROWTH/REPAIR
CLINICAL MEDICINE

HUMANS

AUTHOR(S): BASSETT, C.A.L. MORAN, D.J.

TITLE: EFFECTS OF WEAK PULSED ELECTROMAGNETIC FIELDS (PEMF'S) ON CELL MIGRATION AND MORPHOLOGY

PUBLICATION DATE: JUNE 1985

LANGUAGE:

ABSTRACT: YES

INDEX NUMBER: 85012

SOURCE: BIOELECTROMAGNETICS SOCIETY 7TH ANNUAL MEETING

SUBJECT CATEGORIES

END POINTS

SPECIES

UNCONVENTIONAL MAGNETIC FIELDS

CELL SYSTEMS

UNSPECIFIED

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ELF BIOLOGICAL EFFECTS LITERATURE DATABASE

AUTHOR(S): BASSETT, C.A.L. SCHINK, M.M. MITCHELL, S.M.

TITLE: THE COMPATIBILITY OF METALLIC FIXATION WITH PULSED ELECTROMAGNETIC FIELDS

PUBLICATION DATE: SEPTEMBER 1982

LANGUAGE:

ABSTRACT: YES

INDEX NUMBER: 82034

SOURCE: TRANSACTIONS OF THE SECOND ANNUAL MEETING OF THE BIOELECTRICAL REPAIR AND GROWTH SOCIETY, P. 28

SUBJECT CATEGORIES

END POINTS

SPECIES

UNSPECIFIED FIELDS

BONE GROWTH/REPAIR
CLINICAL MEDICINE

HUMANS

AUTHOR(S): BASSETT, L.S. TZITZIKALAKIS, G. PAMLUK, R.J. BASSETT, C.A.L.

TITLE: PREVENTION OF DISUSE OSTEOPOROSIS IN THE RAT BY MEANS OF PULSING ELECTROMAGNETIC FIELDS

PUBLICATION DATE: 1979

LANGUAGE:

ABSTRACT:

INDEX NUMBER: 79022

SOURCE: ELECTRICAL PROPERTIES OF BONE AND CARTILAGE: EXPERIMENTAL EFFECTS AND CLINICAL APPLICATIONS, GRUNE AND STRATTON, PP. 311-331

SUBJECT CATEGORIES

END POINTS

SPECIES

UNCONVENTIONAL MAGNETIC FIELDS

BONE GROWTH/REPAIR

SMALL MAMMALS

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ELF BIOLOGICAL EFFECTS LITERATURE DATABASE

AUTHOR(S): BAWIN, S.M. SHEPPARD, A. ADEY, W.R.

TITLE: POSSIBLE MECHANISMS OF NEAR ELECTROMAGNETIC FIELD COUPLING IN BRAIN TISSUE

PUBLICATION DATE: JUNE 1977

LANGUAGE:

ABSTRACT:

INDEX NUMBER: 77037

SOURCE: THE PHYSICAL BASIS OF ELECTROMAGNETIC INTERACTIONS WITH BIOLOGICAL SYSTEMS; UNIVERSITY OF MARYLAND, PP. 75-90

SUBJECT CATEGORIES

END POINTS

SPECIES

AC ELECTRIC FIELDS

BIOCHEMISTRY
BRAIN SYSTEM
CALCIUM EFFLUX
MECHANISMS
MODULATION
WINDOW EFFECT

CATS

DOMESTIC FOWL

36

AUTHOR(S): BAWIN, S.M. SHEPPARD, A.R. ADEY, W.R.

TITLE: MODELS OF LONG-RANGE ORDER IN CEREBRAL MACROMOLECULES: EFFECTS OF ELF, VHF, AND UHF FIELDS IN CALCIUM BINDING

PUBLICATION DATE: OCT-NOVEMBER 1977

LANGUAGE:

ABSTRACT: YES

INDEX NUMBER: 77003

SOURCE: USNC/UNSI INTERNATIONAL MEETING, P. 100

SUBJECT CATEGORIES

END POINTS

SPECIES

AC ELECTRIC FIELDS

BRAIN SYSTEM
CALCIUM EFFLUX
MECHANISMS
MODULATION
TISSUE CULTURES
WINDOW EFFECT

CATS

DOMESTIC FOWL

ELF BIOLOGICAL EFFECTS LITERATURE DATABASE

PAGE 29

AUTHOR(S): BEAVER, D.L. ASHER, J.H. HILL, R.W.

TITLE: SMALL VERTEBRATES: THE MICHIGAN STUDY SITE TASKS 5.6, SMALL MAMMALS, AND 5.12A, NESTING BIRDS

PUBLICATION DATE: JUNE 1985 LANGUAGE: ABSTRACT: INDEX NUMBER: 85133

SOURCE: COMPILATION OF 1984 ANNUAL REPORTS OF THE NAVY ELF COMMUNICATIONS SYSTEM ECOLOGICAL MONITORING PROGRAM, VOL. 2, TAB 6, IIT RESEARCH INSTITUTE REPORT E06549-17

SUBJECT CATEGORIES END POINTS SPECIES

AC ELECTRIC FIELDS
AC MAGNETIC FIELDS
ASSESSMENT METHODS
BEHAVIOR
ECOLOGICAL STUDIES
EMBRYOLOGY
GROWTH AND DEVELOPMENT
POPULATION DYNAMICS
PHYSIOLOGY
REPRODUCTION
SPECIES DIVERSITY
AVIANS
SMALL MAMMALS

37

AUTHOR(S): BECKER, R.O.

TITLE: VARIABLES IN RESEARCH INVOLVING ELECTROMAGNETIC BIOEFFECTS (LETTER TO THE EDITOR)

PUBLICATION DATE: 1983 LANGUAGE: ABSTRACT: INDEX NUMBER: 83003

SOURCE: JOURNAL OF BIOELECTRICITY, VOL. 2, NOS. 2 AND 3, PP. 213-216

SUBJECT CATEGORIES END POINTS SPECIES

UNSPECIFIED FIELDS
ASSESSMENT METHODS
EPIDEMIOLOGY
HUMAN HEALTH
PUBLIC HEALTH
HUMANS

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ELF BIOLOGICAL EFFECTS LITERATURE DATABASE

AUTHOR(S): BENTALL, R.H.C.

TITLE: EFFECT OF A 15-WATT PULSED 27.12 MHZ AND A 2 MWATT PULSED 3 MHZ DEVICE ON THE TENSILE STRENGTH OF RAT ABDOMINAL WALL INCISIONS

PUBLICATION DATE: NOVEMBER 1981

LANGUAGE:

ABSTRACT: YES

INDEX NUMBER: 81014

SOURCE: TRANSACTIONS OF THE FIRST ANNUAL MEETING OF THE BIOELECTRICAL REPAIR AND GROWTH SOCIETY, P. 23

SUBJECT CATEGORIES

END POINTS

SPECIES

UNSPECIFIED FIELDS

MODULATION
WOUND HEALING

SMALL MAMMALS

AUTHOR(S): BENTALL, R.H.C.

TITLE: EFFECT OF PULSED LOW LEVEL 44 MHZ INDUCED CURRENTS ON HUMAN EXPERIMENTAL SKIN ULCERS

PUBLICATION DATE: NOVEMBER 1981

LANGUAGE:

ABSTRACT: YES

INDEX NUMBER: 81020

SOURCE: TRANSACTIONS OF THE FIRST ANNUAL MEETING OF THE BIOELECTRICAL REPAIR AND GROWTH SOCIETY, P. 60

SUBJECT CATEGORIES

END POINTS

SPECIES

UNCONVENTIONAL MAGNETIC FIELDS

MODULATION
WOUND HEALING

HUMANS

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ELF BIOLOGICAL EFFECTS LITERATURE DATABASE

AUTHOR(S): BERNARDI, P. GUGLIO, M. CHECCUCCI, A. GRANDOLFO, M. RIGHI, E. TAMBURELLO, C. ZANNOLI, R.

TITLE: MEDICAL SURVEILLANCE CRITERIA IN EXPOSURE TO NON-IONIZING ELECTROMAGNETIC RADIATIONS AT FREQUENCIES BELOW 300 KHZ AND IN STATIC FIELDS

PUBLICATION DATE: 1982

LANGUAGE: ITALIAN

ABSTRACT: ENGLISH

INDEX NUMBER: 82066

SOURCE: LA MEDICINA DEL VAVORO, VOL. 73, NO. 2, PP. 156-159

SUBJECT CATEGORIES

END POINTS

SPECIES

UNSPECIFIED FIELDS

HUMAN HEALTH

HUMANS

AUTHOR(S): BINDOKAS, V. GREENBERG, B.

TITLE: BIOLOGICAL EFFECTS OF A 765 KV, 60 HZ TRANSMISSION LINE ON HONEY BEES (Apis mellifera L.): HEMOLYMPH AS A POSSIBLE STRESS INDICATOR

PUBLICATION DATE: 1984

LANGUAGE:

ABSTRACT:

INDEX NUMBER: 84007

SOURCE: BIOELECTROMAGNETICS VOL. 5, NO. 3, PP. 305-314

SUBJECT CATEGORIES

END POINTS

SPECIES

AC ELECTRIC FIELDS

BEHAVIOR

BIOCHEMISTRY

PHYSIOLOGY

STRESS RESPONSE

POLLINATING INSECTS

ELF BIOLOGICAL EFFECTS LITERATURE DATABASE

PAGE 32

AUTHOR(S): BLACK, J.

TITLE: TISSUE RESPONSE TO EXOGENOUS ELECTROMAGNETIC SIGNALS

PUBLICATION DATE: JANUARY 1984

LANGUAGE:

ABSTRACT:

INDEX NUMBER: 84028

SOURCE: ORTHOPEDIC CLINICS OF NORTH AMERICA, VOL. 15, NO. 1, PP. 15-31

SUBJECT CATEGORIES

UNCONVENTIONAL ELECTRIC FIELDS
UNCONVENTIONAL MAGNETIC FIELDS

BONE GROWTH/REPAIR
CLINICAL MEDICINE
LIMB REGENERATION
TISSUE CULTURES
WOUND HEALING

END POINTS

SPECIES

AMPHIBIANS
HUMANS
SMALL MAMMALS

40

AUTHOR(S): BLACKMAN, C.F.

TITLE: EFFECTS OF MODULATED RADIO FREQUENCY ELECTROMAGNETIC RADIATION ON THE EFFLUX OF CALCIUM IONS WITH BRAIN TISSUE IN VITRO

PUBLICATION DATE: MARCH 1982

LANGUAGE:

ABSTRACT: YES

INDEX NUMBER: 82004

SOURCE: JOURNAL OF THE ELECTROCHEMICAL SOCIETY, VOL. 129, NO. 3, P. 132C

SUBJECT CATEGORIES

UNCONVENTIONAL ELECTRIC FIELDS

BRAIN SYSTEM
CALCIUM EFFLUX
CELL SYSTEMS
MODULATION
WINDOW EFFECT

END POINTS

SPECIES

DOMESTIC FOWL

PAGE 33

ELF BIOLOGICAL EFFECTS LITERATURE DATABASE

AUTHOR(S): BLACKMAN, C.F. BENANE, S.G. HOUSE, D.E.

TITLE: A PATTERN OF FREQUENCY-DEPENDENT RESPONSES IN BRAIN TISSUE TO ELF ELECTROMAGNETIC FIELDS

PUBLICATION DATE: JUNE 1985

LANGUAGE:

ABSTRACT: YES

INDEX NUMBER: 85019

SOURCE: BIOELECTROMAGNETICS SOCIETY 7TH ANNUAL MEETING

SUBJECT CATEGORIES

AC ELECTRIC FIELDS

BRAIN SYSTEM
CALCIUM EFFLUX
MECHANISMS
WINDOW EFFECT

END POINTS

SPECIES

DOMESTIC FOWL

AUTHOR(S): BLACKMAN, C.F. BENANE, S.G. HOUSE, D.E. JOINES, W.T.

TITLE: EFFECTS OF ELF (1-120 HZ) AND MODULATED RF FIELDS ON THE EFFLUX OF CALCIUM IONS FROM BRAIN TISSUE IN VITRO

PUBLICATION DATE: 1985

LANGUAGE:

ABSTRACT:

INDEX NUMBER: 85078

SOURCE: BIOELECTROMAGNETICS, VOL. 6, PP. 1-11

SUBJECT CATEGORIES

AC ELECTRIC FIELDS

BIOCHEMISTRY
BRAIN SYSTEM
CALCIUM EFFLUX
MECHANISMS
MODULATION
TISSUE CULTURES
WINDOW EFFECT

END POINTS

SPECIES

DOMESTIC FOWL

PAGE 34 ELF BIOLOGICAL EFFECTS LITERATURE DATABASE

AUTHOR(S): BLACKMAN, C.F. BENANE, S.G. RABINOWITZ, J.R. HOUSE, D.E.

TITLE: A ROLE FOR THE EARTH'S MAGNETIC FIELD IN BIOLOGICAL EFFECTS CAUSED BY ELF ELECTROMAGNETIC FIELDS

PUBLICATION DATE: 1985

LANGUAGE:

ABSTRACT: YES

INDEX NUMBER: 85077

SOURCE: BIOPHYSICAL JOURNAL, ABSTRACT 7-POS 56, VOL. 47, P. 244A

SUBJECT CATEGORIES

END POINTS

SPECIES

AC MAGNETIC FIELDS
GEOMAGNETIC FIELDS
BIOCHEMISTRY
BRAIN SYSTEM
CALCIUM EFFLUX
MECHANISMS
TISSUE CULTURES

UNSPECIFIED

AUTHOR(S): BLACKMAN, C.F. ELDER, J.A. WEIL, C.M. BENANE, S.G. EICHNER, D.C.

TITLE: TWO PARAMETERS AFFECTING RADIATION-INDUCED CALCIUM EFFLUX FROM BRAIN TISSUE

PUBLICATION DATE: OCT-NOVEMBER 1977

LANGUAGE:

ABSTRACT: YES

INDEX NUMBER: 77004

SOURCE: USNC/URST INTERNATIONAL MEETING, P. 101

SUBJECT CATEGORIES

END POINTS

SPECIES

AC ELECTRIC FIELDS
BRAIN SYSTEM
CALCIUM EFFLUX
MODULATION
WINDOW EFFECT

DOMESTIC FOWL

ELF BIOLOGICAL EFFECTS LITERATURE DATABASE

PAGE 35

AUTHOR(S): BLACKMAN, C.F. WILSON, B.S.

TITLE: DISTRIBUTION OF LABEL IN STUDIES ON THE EFFECTS OF NONIONIZING RADIATION ON THE ASSOCIATION OF CALCIUM IONS WITH BRAIN TISSUE

PUBLICATION DATE: 1983

LANGUAGE:

ABSTRACT: YES

INDEX NUMBER: 83006

SOURCE: BIOELECTROMAGNETICS SOCIETY 5TH ANNUAL MEETING

SUBJECT CATEGORIES

END POINTS

SPECIES

UNSPECIFIED FIELDS

BRAIN SYSTEM
CALCIUM EFFLUX

DOMESTIC FOWL

AUTHOR(S): BLACKWELL, R.P. REED, A.L.

TITLE: EFFECTS OF ELECTRIC FIELD EXPOSURE ON SOME INDICES OF CNS AROUSAL IN THE MOUSE

PUBLICATION DATE: 1985

LANGUAGE:

ABSTRACT:

INDEX NUMBER: 85079

SOURCE: BIOELECTROMAGNETICS, VOL. 6, PP. 105-107

SUBJECT CATEGORIES

END POINTS

SPECIES

AC ELECTRIC FIELDS

BEHAVIOR
CIRCADIAN RHYTHMS

SMALL MAMMALS

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ELF BIOLOGICAL EFFECTS LITERATURE DATABASE

AUTHOR(S): BLAKEMORE, R.P. FRANKEL, R.B. KALMUN, A.J.

TITLE: SOUTH-SEEKING MAGNETOTACTIC BACTERIA IN THE SOUTHERN HEMISPHERE

PUBLICATION DATE: JULY 1980

LANGUAGE:

ABSTRACT:

INDEX NUMBER: 80015

SOURCE: NATURE, VOL. 186, PP. 384-385

SUBJECT CATEGORIES

END POINTS

SPECIES

GEOMAGNETIC FIELDS

ORIENTATION

BACTERIA

AUTHOR(S): BLUMLEIN, H. MCDANIEL, J. ZIEGLER, W.J. PERREN, S.M.

TITLE: THE EFFECT OF LOW-FREQUENCY MAGNETIC FIELDS ON THE HEALING OF PSEUDARTHROSES IN ANIMAL EXPERIMENTS

PUBLICATION DATE: AUGUST 1978

LANGUAGE: GERMAN

ABSTRACT: ENGLISH

INDEX NUMBER: 78015

SOURCE: ZEITSCHRIFT FUER ORTHOPAEDIE UND IHRE GRENZGEBIETE, VOL. 116, NO. 4, PP. 603-604

SUBJECT CATEGORIES

END POINTS

SPECIES

AC MAGNETIC FIELDS

BONE GROWTH/REPAIR

CANINES

ELF BIOLOGICAL EFFECTS LITERATURE DATABASE

PAGE 37

AUTHOR(S): BLUMLEIN, H. SCHNEIDER, U. RAHN, B.A. PERREN, S.M.

TITLE: ELECTROMAGNETIC FIELDS AND ALTERNATING CURRENT FOR TREATMENT OF EXPERIMENTAL NONUNIONS

PUBLICATION DATE: APRIL 1984

LANGUAGE: GERMAN

ABSTRACT:

INDEX NUMBER: 84072

SOURCE: ORTHOPAED, VOL. 13, NO. 2, PP. 102-108

SUBJECT CATEGORIES

UNCONVENTIONAL MAGNETIC FIELDS BONE GROWTH/REPAIR

END POINTS

SPECIES

CANINES

AUTHOR(S): BONNELL, J.A. NORRIS, M.T.

TITLE: PYLONS, THEIR FIELDS, AND MAN (LETTER TO THE EDITOR)

PUBLICATION DATE: DECEMBER 1984

LANGUAGE:

ABSTRACT:

INDEX NUMBER: 84103

SOURCE: THE LANCET, VOL. 2, NO. 8415, P. 1343

SUBJECT CATEGORIES

AC ELECTRIC FIELDS
AC MAGNETIC FIELDS
CANCER
CARDIAC PACEMAKERS
ELECTRIC SHOCK
EPIDEMIOLOGY
EXPOSURE STANDARDS
HUMAN HEALTH
OCCUPATIONAL HEALTH
PERCEPTION
PUBLIC HEALTH

END POINTS

SPECIES

HUMANS

PAGE 38

ELF BIOLOGICAL EFFECTS LITERATURE DATABASE

AUTHOR(S): BROOKMAN, M.A.

TITLE: SENSITIVITY OF THE HOMING PIGEON TO AN EARTH-STRENGTH MAGNETIC FIELD

PUBLICATION DATE: MAY 1977

LANGUAGE:

ABSTRACT:

INDEX NUMBER: 77038

SOURCE: NATURE, VOL. 267, PP. 340-342

SUBJECT CATEGORIES

GEOMAGNETIC FIELDS

BEHAVIOR
ORIENTATION

END POINTS

SPECIES

AVIANS

AUTHOR(S): BREZGUNOV, V.M. BUNIN, V.D. POPOV, V.G. IVANOV, M.V. SANOYLENKO, V.A. FONCHENKOV, V.M. SHEVISOV, V.V.

TITLE: ANALYSIS OF THE CHANGES IN THE ELECTROPHYSICAL AND MORPHOMETRIC PARAMETERS IN THE GROWTH AND SPOULATION OF BACILLUS THURINGENSIS

PUBLICATION DATE: MAY-JUNE 1984

LANGUAGE: RUSSIAN

ABSTRACT: ENGLISH

INDEX NUMBER: 84055

SOURCE: MIKROBIOLOGIYA, VOL. 53, NO. 3, PP. 381-386

SUBJECT CATEGORIES

AC ELECTRIC FIELDS

CELL SYSTEMS
GROWTH AND DEVELOPMENT
MITOTIC CYCLE

END POINTS

SPECIES

BACTERIA

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ELF BIOLOGICAL EFFECTS LITERATURE DATABASE

AUTHOR(S): BRIDGES, J.E.

TITLE: ENVIRONMENTAL CONSIDERATIONS CONCERNING THE BIOLOGICAL EFFECTS OF POWER FREQUENCY (50 OR 60 HZ) ELECTRIC FIELDS

PUBLICATION DATE: JAN-FEBRUARY 1978

LANGUAGE:

ABSTRACT:

INDEX NUMBER: 78016

SOURCE: IEEE TRANSACTIONS ON POWER APPARATUS AND SYSTEMS, VOL. 97, NO. 1, PP. 19-32

SUBJECT CATEGORIES	END POINTS	SPECIES
AC ELECTRIC FIELDS	AESTHETIC SYNDROME	DOMESTIC FOWL
	APPLIANCE FIELDS	HUMANS
	BODY CURRENT	LIVESTOCK
	EXPOSURE STANDARDS	SMALL MAMMALS
	GROWTH AND DEVELOPMENT	
	HUMAN HEALTH	
	LITERATURE REVIEW	
	OCCUPATIONAL HEALTH	
	PHYSIOLOGY	
	PSYCHOLOGY	

AUTHOR(S): BRIDGES, J.E. FRAZIER, M.J. HAUSER, R.G.

TITLE: THE EFFECT OF 60 HERTZ ELECTRIC FIELDS AND CURRENTS ON IMPLANTED CARDIAC PACEMAKERS

PUBLICATION DATE: JUNE 1978

LANGUAGE:

ABSTRACT:

INDEX NUMBER: 78022

SOURCE: IEEE INTERNATIONAL SYMPOSIUM ON ELECTROMAGNETIC COMPATIBILITY, PP. 258-265

SUBJECT CATEGORIES	END POINTS	SPECIES
AC ELECTRIC FIELDS	CARDIAC PACEMAKERS	PRIMATES

PAGE 40 ELF BIOLOGICAL EFFECTS LITERATURE DATABASE

AUTHOR(S): BROADBENT, D.E. BROADBENT, M.H.P. MALE, J.C. JONES, M.R.L.

TITLE: HEALTH OF WORKERS EXPOSED TO ELECTRIC FIELDS

PUBLICATION DATE: 1985

LANGUAGE:

ABSTRACT:

INDEX NUMBER: 85097

SOURCE: BRITISH JOURNAL OF INDUSTRIAL MEDICINE, VOL. 42, PP. 75-84

SUBJECT CATEGORIES	END POINTS	SPECIES
AC ELECTRIC FIELDS	ASSESSMENT METHODS DOSIMETRY ELECTRIC FIELD MEASUREMENTS EPIDEMIOLOGY HUMAN HEALTH OCCUPATIONAL HEALTH	HUMANS

AUTHOR(S): BROSH, R.M. GAUGER, J.R. ZAPOTOSKY, J.E.

TITLE: ELF COMMUNICATIONS SYSTEM ECOLOGICAL MONITORING PROGRAM: MEASUREMENTS OF ELF ELECTROMAGNETIC FIELDS FOR SITE SELECTION AND CHARACTERIZATION--1984

PUBLICATION DATE: JUNE 1985

LANGUAGE:

ABSTRACT:

INDEX NUMBER: 85075

SOURCE: SPACE AND NAVAL WARFARE SYSTEMS COMMAND, IIT RESEARCH INSTITUTE REPORT E06549-14

SUBJECT CATEGORIES	END POINTS	SPECIES
AC ELECTRIC FIELDS AC MAGNETIC FIELDS	ELECTRIC FIELD MEASUREMENTS MAGNETIC FIELD MEASUREMENTS MEASUREMENT METHODS	AVIANS AQUATIC INSECTS BACTERIA FISH MARINE ORGANISMS PLANTS POLLINATING INSECTS SMALL MAMMALS SOIL ORGANISMS TREES

ELF BIOLOGICAL EFFECTS LITERATURE DATABASE

PAGE 41

AUTHOR(S): BRUNN, J.M.

TITLE: ELF COMMUNICATIONS SYSTEM ECOLOGICAL MONITORING PROGRAM: LITTER DECOMPOSITION AND MICROFLORA

PUBLICATION DATE: JUNE 1985

LANGUAGE:

ABSTRACT:

INDEX NUMBER: 85128

SOURCE: COMPILATION OF 1984 ANNUAL REPORTS OF THE NAVY ELF COMMUNICATIONS SYSTEM ECOLOGICAL MONITORING PROGRAM, VOL. 1, TAB B, IIT RESEARCH INSTITUTE REPORT E06549-17

SUBJECT CATEGORIES

END POINTS

SPECIES

AC ELECTRIC FIELDS
AC MAGNETIC FIELDS

ASSESSMENT METHODS
ECOLOGY STUDIES
POPULATION DYNAMICS

BACTERIA
SOIL ORGANISMS
TREES

49

AUTHOR(S): BUTAVYKH, A.G.

TITLE: EFFECT OF LOW-FREQUENCY MAGNETIC FIELD ON THE BLOOD LIPOPROTEIN SPECTRUM IN HYPERTENSION PATIENTS

PUBLICATION DATE: SEPTEMBER 1984

LANGUAGE: RUSSIAN

ABSTRACT: ENGLISH

INDEX NUMBER: 84097

SOURCE: VRACH DELO, NO. 9, PP. 75-77

SUBJECT CATEGORIES

END POINTS

SPECIES

UNSPECIFIED FIELDS

BIOCHEMISTRY
CLINICAL MEDICINE
STRESS RESPONSE

HUMANS

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ELF BIOLOGICAL EFFECTS LITERATURE DATABASE

AUTHOR(S): BULANKA, A.O. WISECUP, W.G. ROSEN, L.A. FEERO, W.E. DIETRICH, F.M.

TITLE: THE U.S. DEPARTMENT OF ENERGY 60-HZ ELECTRIC FIELDS BIOEFFECTS RESEARCH

PUBLICATION DATE: NOVEMBER 1982

LANGUAGE:

ABSTRACT:

INDEX NUMBER: 82081

SOURCE: IEEE TRANSACTIONS ON POWER APPARATUS AND SYSTEMS, VOL. PAS-101, NO. 11, PP. 4432-4440

SUBJECT CATEGORIES

END POINTS

SPECIES

AC ELECTRIC FIELDS

RESEARCH EVALUATION

ALL-INCLUSIVE

50

AUTHOR(S): BULLOCK, T.M. NORTHCUTT, R.G.

TITLE: NERVUS TERMINALIS IN DOGFISH (SQUALUS ACATHIAS, ELASMOBRANCHII) CARRIES TONIC EFFERENT IMPULSES

PUBLICATION DATE: FEBRUARY 1984

LANGUAGE:

ABSTRACT:

INDEX NUMBER: 84056

SOURCE: NEUROSCIENCE LETTERS, VOL. 44, NO. 2, PP. 155-160

SUBJECT CATEGORIES

END POINTS

SPECIES

UNSPECIFIED FIELDS

ELECTROSENSITIVITY
NEUROPHYSIOLOGY

FISH

ELF BIOLOGICAL EFFECTS LITERATURE DATABASE

PAGE 43

AUTHOR(S): MURTON, T.N. MERRITT, R.W. STOUT, R.J. TAYLOR, W.W. DENKE, M.P. O'MALLEY, M. WHELAN, G., CORNELIUS, D. GESL, D. WEBB, K.

TITLE: ELF COMMUNICATIONS SYSTEM ECOLOGICAL MONITORING PROGRAM ANNUAL REPORT FOR AQUATIC ECOSYSTEMS - TASKS 5.8, 5.9, 5.10

PUBLICATION DATE: JUNE 1985

LANGUAGE:

ABSTRACT:

INDEX NUMBER: 65134

SOURCE: COMPILATION OF 1984 ANNUAL REPORTS OF THE NAVY ELF COMMUNICATIONS SYSTEM ECOLOGICAL MONITORING PROGRAM, VOL. 2, TAB H, IIT RESEARCH INSTITUTE REPORT ED6549-17

SUBJECT CATEGORIES

AC ELECTRIC FIELDS
AC MAGNETIC FIELDS

ASSESSMENT METHODS
BEHAVIOR
ECOLOGY STUDIES
MIGRATION
POPULATION DYNAMICS
SPECIES DIVERSITY

END POINTS

SPECIES

AQUATIC INSECTS
FISH
MARINE ORGANISMS

51

AUTHOR(S): BUSTOS, G. ROTH, R.H. MORGENROTH, V.H. HANCKE, J.L.

TITLE: TYROSINE HYDROLASE ACTIVATION AND TRANSMITTER RELEASE FROM CENTRAL NORADRENERGIC NEURONS BY ELECTRICAL FIELD STIMULATION

PUBLICATION DATE: 1978

LANGUAGE:

ABSTRACT:

INDEX NUMBER: 78023

SOURCE: ARCHIVES OF PHARMACOLOGY, NO. 301, PP. 149-156

SUBJECT CATEGORIES

UNCONVENTIONAL ELECTRIC FIELDS

BRAIN SYSTEM
CELL COMMUNICATIONS

END POINTS

SPECIES

SHALL MAMMALS

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ELF BIOLOGICAL EFFECTS LITERATURE DATABASE

AUTHOR(S): BUTROUS, G.S. BARTON, D.B. BONNELL, J.A. CAMM, A.J. MELDRUM, S.J. MALE, J.C.

TITLE: EFFECTS OF HIGH-INTENSITY POWER-FREQUENCY ELECTRIC FIELDS ON IMPLANTED MODERN MULTIPROGRAMMABLE CARDIAC PACEMAKERS

PUBLICATION DATE: MAY 1982

LANGUAGE:

ABSTRACT:

INDEX NUMBER: B2054

SOURCE: JOURNAL OF THE ROYAL SOCIETY OF MEDICINE, VOL. 75, PP. 327-331

SUBJECT CATEGORIES

END POINTS

SPECIES

AC ELECTRIC FIELDS

CARDIAC PACEMAKERS

HUMANS

AUTHOR(S): BUTROUS, G.S. MALE, J.C. WEBBER, R.S. BARTON, D.G. MELDRUM, S.J. BONNELL, J.A. CAMM, A.J.

TITLE: THE EFFECT OF POWER FREQUENCY HIGH INTENSITY ELECTRIC FIELDS ON IMPLANTED CARDIAC PACEMAKERS

PUBLICATION DATE: NOV-DECEMBER 1983

LANGUAGE:

ABSTRACT:

INDEX NUMBER: B3024

SOURCE: PACE, VOL. 6, PP. 1281-1292

SUBJECT CATEGORIES

END POINTS

SPECIES

AC ELECTRIC FIELDS

BODY CURRENT
CARDIAC PACEMAKERS

HUMANS

PAGE 45

ELF BIOLOGICAL EFFECTS LITERATURE DATABASE

AUTHOR(S): CADOSI, R. GIANCICCHI, F. FONTANESI, G.

TITLE: LOW FREQUENCY PULSING ELECTROMAGNETIC FIELDS IN THE TREATMENT OF DELAYED UNIONS AND ACQUIRED PSEUDO-ARTHROSIS

PUBLICATION DATE: SEPTEMBER 1982

LANGUAGE:

ABSTRACT: YES

INDEX NUMBER: 82025

SOURCE: TRANSACTIONS OF THE SECOND ANNUAL MEETING OF THE BIDELECTRICAL REPAIR AND GROWTH SOCIETY, P. 71

SUBJECT CATEGORIES

END POINTS

SPECIES

UNCONVENTIONAL MAGNETIC FIELDS BONE GROWTH/REPAIR
CLINICAL MEDICINE

HUMANS

AUTHOR(S): CAIM, C.D. LUBEN, R.A. DONATO, M.J. BYUS, C.V. ADEY, M.R.

TITLE: PULSED ELECTROMAGNETIC FIELD EFFECTS ON RESPONSES TO PARATHYROID HORMONE IN PRIMARY BONE CELLS

PUBLICATION DATE: JUNE 1985

LANGUAGE:

ABSTRACT: YES

INDEX NUMBER: 85011

SOURCE: BIDELECTROMAGNETICS SOCIETY 7TH ANNUAL MEETING

SUBJECT CATEGORIES

END POINTS

SPECIES

UNCONVENTIONAL MAGNETIC FIELDS BONE GROWTH/REPAIR
CELL SYSTEMS

UNSPECIFIED

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ELF BIOLOGICAL EFFECTS LITERATURE DATABASE

AUTHOR(S): CARMACIU, R. BROZA, P. DANIELIUS, E.

TITLE: EFFECTS OF A HIGH-TENSION ELECTRIC FIELD ON THE SECRETION OF ANTIDIURETIC HORMONE IN RATS

PUBLICATION DATE: 1977

LANGUAGE:

ABSTRACT:

INDEX NUMBER: 77025

SOURCE: REVUE ROMANE DE MORPHOLOGIE, D'EMBRYOLOGIE, ET DE PHYSIOLOGIE, SERIE PHYSIOLOGIE, VOL. 14, NO. 2, PP. 79-84

SUBJECT CATEGORIES

END POINTS

SPECIES

AC ELECTRIC FIELDS

BEHAVIOR

BIOCHEMISTRY

SMALL MAMMALS

54

AUTHOR(S): CARSTEN, A.L. BENT, R.D.

TITLE: GENETIC, CYTOGENETIC AND SOMATIC EFFECTS OF 60 HZ ELECTRIC AND MAGNETIC FIELDS ON MICE

PUBLICATION DATE: JUNE 1985

LANGUAGE:

ABSTRACT: YES

INDEX NUMBER: 85023

SOURCE: BIOELECTROMAGNETICS SOCIETY 7TH ANNUAL MEETING

SUBJECT CATEGORIES

END POINTS

SPECIES

AC MAGNETIC FIELDS
AC ELECTRIC FIELDS

BIOCHEMISTRY
CELL SYSTEMS
GENETICS
IMMUNOLOGY

SMALL MAMMALS

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ELF BIOLOGICAL EFFECTS LITERATURE DATABASE

AUTHOR(S): CARSTENSEN, E.L.

TITLE: STUDIES OF PLANTS AND ANIMALS EXPOSED TO ELF ELECTRIC AND MAGNETIC FIELDS

PUBLICATION DATE: MAY 1985

LANGUAGE:

ABSTRACT:

INDEX NUMBER: 85109

SOURCE: ASSESSMENTS AND VIEWPOINTS ON THE BIOLOGICAL AND HUMAN HEALTH EFFECTS OF EXTREMELY LOW FREQUENCY (ELF) ELECTROMAGNETIC FIELDS; AMERICAN INSTITUTE OF BIOLOGICAL SCIENCES, PP. 33-139

SUBJECT CATEGORIES

END POINTS

SPECIES

AC ELECTRIC FIELDS
AC MAGNETIC FIELDS

LITERATURE REVIEW
RESEARCH ASSESSMENT

ALL-INCLUSIVE

55

AUTHOR(S): CARSTENSEN, E.L. MILLER, M.W. CIARAVINO, V.

TITLE: CERAMIC ELECTRODES FOR ELF BIOEFFECTS STUDIES

PUBLICATION DATE: AUGUST 1984

LANGUAGE:

ABSTRACT:

INDEX NUMBER: 84008

SOURCE: IEEE TRANSACTIONS ON BIOMEDICAL ENGINEERING, VOL. BME-31, NO. 8, PP. 557-558

SUBJECT CATEGORIES

END POINTS

SPECIES

AC ELECTRIC FIELDS

CELL SYSTEMS
EXPOSURE FACILITIES
FIELD EQUATIONS

UNSPECIFIED

PAGE 48 ELF BIOLOGICAL EFFECTS LITERATURE DATABASE

AUTHOR(S): CARTWRIGHT, R.A. MILLER, J.G.

TITLE: LYMPHOID AND HAEMOPOIETIC MALIGNANCY CASE OCCURENCE IN UK, 1984, (LETTER TO THE EDITOR)

PUBLICATION DATE: DECEMBER 1984

LANGUAGE:

ABSTRACT:

INDEX NUMBER: 84009

SOURCE: THE LANCET

SUBJECT CATEGORIES

UNSPECIFIED FIELDS

END POINTS

SPECIES

HUMANS

AUTHOR(S): CAULLAY, J.M. HAWN, T.S.

TITLE: PULSING ELECTROMAGNETIC FIELDS IN THE TREATMENT OF NON-UNION FRACTURES

PUBLICATION DATE: MARCH 1982

LANGUAGE:

ABSTRACT:

INDEX NUMBER: 82053

SOURCE: JOURNAL OF THE ROYAL COLLEGE OF SURGEONS OF EDINBURGH, PP. 102-107

SUBJECT CATEGORIES

UNCONVENTIONAL MAGNETIC FIELDS
BONE GROWTH/REPAIR
CLINICAL MEDICINE

END POINTS

SPECIES

HUMANS

PAGE 49 ELF BIOLOGICAL EFFECTS LITERATURE DATABASE

AUTHOR(S): CHARTIER, V.L. BRACKEN, T.D. CAPON, A.S.

TITLE: BPA STUDY OF OCCUPATIONAL EXPOSURE TO 60 HZ ELECTRIC FIELDS

PUBLICATION DATE: MARCH 1985

LANGUAGE:

ABSTRACT:

INDEX NUMBER: 85066

SOURCE: IEEE TRANSACTIONS ON POWER APPARATUS AND SYSTEMS, VOL. PAS-104, NO. 3, PP. 733-744

SUBJECT CATEGORIES

END POINTS

SPECIES

AC ELECTRIC FIELDS

DOSIMETRY

ELECTRIC FIELD MEASUREMENTS

HUMAN HEALTH

INSTRUMENTATION

MEASUREMENT METHODS

OCCUPATIONAL HEALTH

HUMANS

AUTHOR(S): CHANLA, M.R. MAYAK, G.C. MUKHOPADHYAY, P.

TITLE: ELECTROSTATIC EFFECTS OF ENV AND UNV TRANSMISSION LINES: A FINITE ELEMENT APPROACH

PUBLICATION DATE: JULY 1977

LANGUAGE:

ABSTRACT:

INDEX NUMBER: 77026

SOURCE: IEEE POWER ENGINEERING SOCIETY SUMMER MEETING, PAPER A 77 743-B

SUBJECT CATEGORIES

END POINTS

SPECIES

AC ELECTRIC FIELDS

ELECTRIC SHOCK

FIELD EQUATIONS

INDUCTIVE COUPLING

UNSPECIFIED

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ELF BIOLOGICAL EFFECTS LITERATURE DATABASE

AUTHOR(S): CHEN, T. HARRINGTON, D.B. FRASCA, P. WALTER, T. WALTER, J. DARIGAN, M.

TITLE: AN IN-DEPTH SCANNING ELECTRON MICROSCOPY STUDY OF ELECTRONICALLY STIMULATED BONE GROWTH

PUBLICATION DATE: SEPTEMBER 1982

LANGUAGE:

ABSTRACT: YES

INDEX NUMBER: 82042

SOURCE: TRANSACTIONS OF THE SECOND ANNUAL MEETING OF THE BIOELECTRICAL REPAIR AND GROWTH SOCIETY, P. 48

SUBJECT CATEGORIES

END POINTS

SPECIES

UNSPECIFIED FIELDS

BIOCHEMISTRY

TISSUE CULTURES

CANINES

PRIMATES

AUTHOR(S): CHENG, N. MULIER, J.C.

TITLE: TREATMENT OF NON-UNION OF THE TIBIA WITH A PULSED ELECTROMAGNETIC FIELD

PUBLICATION DATE: NOVEMBER 1981

LANGUAGE:

ABSTRACT: YES

INDEX NUMBER: 81017

SOURCE: TRANSACTIONS OF THE FIRST ANNUAL MEETING OF THE BIOELECTRICAL REPAIR AND GROWTH SOCIETY, P. 41

SUBJECT CATEGORIES

END POINTS

SPECIES

UNCONVENTIONAL MAGNETIC FIELDS

BONE GROWTH/REPAIR

HUMANS

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ELF BIOLOGICAL EFFECTS LITERATURE DATABASE

AUTHOR(S): CHERNOFF, N.

TITLE: REPRODUCTIVE AND DEVELOPMENTAL EFFECTS IN MAMMALIAN AND AVIAN SPECIES FROM EXPOSURE TO ELF FIELDS

PUBLICATION DATE: MARCH 1985

LANGUAGE:

ABSTRACT:

INDEX NUMBER: B5093

SOURCE: BIOLOGICAL AND HUMAN HEALTH EFFECTS OF EXTREMELY LOW FREQUENCY ELECTROMAGNETIC FIELDS; AMERICAN INSTITUTE OF BIOLOGICAL SCIENCES, CHAPTER 8

SUBJECT CATEGORIES	END POINTS	SPECIES
AC ELECTRIC FIELDS	DOSIMETRY	AVIANS
AC MAGNETIC FIELDS	EMBRYOLOGY	DOMESTIC FOWL
	FERTILITY	SMALL MAMMALS
	FOOD/WATER INTAKE	
	GROWTH AND DEVELOPMENT	
	LITERATURE REVIEW	
	PHYSIOLOGY	
	REPRODUCTION	
	RESEARCH ASSESSMENT	

AUTHOR(S): CHERNYSHEV, V.B. AFONINA, V.M.

TITLE: EFFECT OF ELECTRIC FIELDS ON THE BEHAVIOR OF DROSOPHILA MELANOGASTER MEIG

PUBLICATION DATE: 1978

LANGUAGE:

ABSTRACT:

INDEX NUMBER: 78011

SOURCE: BIOLOGY BULLETIN OF THE ACADEMY OF SCIENCES OF THE USSR, VOL. 5, NO. 5, PP. 477-584

SUBJECT CATEGORIES	END POINTS	SPECIES
AC ELECTRIC FIELDS	BEHAVIOR	AIRBORNE INSECTS
ATMOSPHERIC FIELDS		

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ELF BIOLOGICAL EFFECTS LITERATURE DATABASE

AUTHOR(S): CLEARY, S.F.

TITLE: INVESTIGATION OF THE BIOLOGICAL EFFECTS OF PULSED ELECTRICAL FIELDS

PUBLICATION DATE: 1978

LANGUAGE:

ABSTRACT:

INDEX NUMBER: 78006

SOURCE: VIRGINIA COMMONWEALTH UNIVERSITY, ANNUAL PROGRESS REPORT

SUBJECT CATEGORIES

UNCONVENTIONAL ELECTRIC FIELDS

BIOCHEMISTRY
MECHANISMS

END POINTS

SPECIES

SMALL MAMMALS

AUTHOR(S): CLEARY, S.F. LIU, L.-M.

TITLE: EFFECTS OF WEAK ELF ELECTRIC FIELDS ON TENDON FIBROPLASIA

PUBLICATION DATE: JUNE 1985

LANGUAGE:

ABSTRACT: YES

INDEX NUMBER: 85014

SOURCE: BIOELECTROMAGNETICS SOCIETY 7TH ANNUAL MEETING

SUBJECT CATEGORIES

AC ELECTRIC FIELDS

BIOCHEMISTRY
MODULATION
TISSUE CULTURES

END POINTS

SPECIES

DOMESTIC FOWL

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ELF BIOLOGICAL EFFECTS LITERATURE DATABASE

AUTHOR(S): COHEN, H.D. GRAHAM, C.

TITLE: DIRECT MEASUREMENT OF HUMAN PHYSIOLOGY IN 60-HZ FIELDS

PUBLICATION DATE: JUNE 1985

LANGUAGE:

ABSTRACT: YES

INDEX NUMBER: 85053

SOURCE: BIOELECTROMAGNETICS SOCIETY 7TH ANNUAL MEETING

SUBJECT CATEGORIES

AC ELECTRIC FIELDS
AC MAGNETIC FIELDS

END POINTS

MEASUREMENT METHODS
PHYSIOLOGY

SPECIES

HUMANS

63

AUTHOR(S): COLACICCO, G. PILLA, A.A.

TITLE: ELECTROMAGNETIC MODULATION OF BIOLOGICAL PROCESSES: INFLUENCE OF CULTURE MEDIA AND SIGNIFICANCE OF METHODOLOGY IN THE CA-UP TAKE BY EMBRYONIC CHICK TIBIA IN VITRO

PUBLICATION DATE: MARCH 1984

LANGUAGE:

ABSTRACT:

INDEX NUMBER: 84030

SOURCE: CALCIFIED TISSUE INTERNATIONAL, NO. 36, PP. 167-174

SUBJECT CATEGORIES

UNCONVENTIONAL MAGNETIC FIELDS

BIOCHEMISTRY
CALCIUM EFFLUX
CELL SYSTEMS
EMBRYOLOGY
MODULATION
TISSUE CULTURES

END POINTS

SPECIES

DOMESTIC FOWL

ELF BIOLOGICAL EFFECTS LITERATURE DATABASE

PAGE 56

AUTHOR(S): COLEMAN, M.

TITLE: LEUKEMIA MORTALITY IN AMATEUR RADIO OPERATORS (LETTER TO THE EDITOR)

PUBLICATION DATE: JULY 1985

SOURCE: THE LANCET, PP. 106-107

INDEX NUMBER: 85098

ABSTRACT:

LANGUAGE:

SPECIES

END POINTS

HUMANS

SUBJECT CATEGORIES

UNSPECIFIED FIELDS
EPIDEMIOLOGY
HUMAN HEALTH
LEUKEMIA
MORTALITY

64

AUTHOR(S): CONTI, P. GIGANTE, B.E. ALESSE, E. CIFONE, M.G. FIESCHI, C. REALE, M. ANGELETTI, P.U.

TITLE: A ROLE FOR CA(2+) IN THE EFFECT OF VERY LOW FREQUENCY ELECTROMAGNETIC FIELD ON THE BLASTOGENESIS OF HUMAN LYMPHOCYTES

INDEX NUMBER: 85074

ABSTRACT:

LANGUAGE:

PUBLICATION DATE: FEBRUARY 1985

SOURCE: FEBS LETTER, VOL. 181, NO. 1, PP. 28-32

SPECIES

END POINTS

HUMANS

SUBJECT CATEGORIES

UNCONVENTIONAL MAGNETIC FIELDS
BIOCHEMISTRY
CALCIUM EFFLUX
CELL SYSTEMS

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ELF BIOLOGICAL EFFECTS LITERATURE DATABASE

AUTHOR(S): CORVOL, M.T. MONET, J.D. DAUTIGNY, N. ASSAILLY, J.

TITLE: EFFECT OF ELECTROMAGNETICALLY-INDUCED PULSATING CURRENTS ON THE GROWTH CYCLE OF CHICK EMBRYO CHONDROCYTES IN CULTURE

PUBLICATION DATE: SEPTEMBER 1982

LANGUAGE:

ABSTRACT: YES

INDEX NUMBER: 82038

SOURCE: TRANSACTIONS OF THE SECOND ANNUAL MEETING OF THE BIOELECTRICAL REPAIR AND GROWTH SOCIETY, P. 41

SUBJECT CATEGORIES

END POINTS

SPECIES

UNCONVENTIONAL MAGNETIC FIELDS

CELL SYSTEMS

CURRENT DENSITY

DNA

EMBRYOLOGY

MITOTIC CYCLE

DOMESTIC FOWL

AUTHOR(S): CREIM, J.A. LOVELY, R.H. KAUNE, W.T. MILLER, M.C. ANDERSON, L.E.

TITLE: 60-HZ MAGNETIC FIELDS: DO RATS AVOID EXPOSURE?

PUBLICATION DATE: JUNE 1985

LANGUAGE:

ABSTRACT: YES

INDEX NUMBER: 85050

SOURCE: BIOELECTROMAGNETICS SOCIETY 7TH ANNUAL MEETING

SUBJECT CATEGORIES

END POINTS

SPECIES

AC MAGNETIC FIELDS

AVERSION

BEHAVIOR

BODY CURRENT

SMALL MAMMALS

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ELF BIOLOGICAL EFFECTS LITERATURE DATABASE

AUTHOR(S): CREIN, J.A. LOVELY, R.H. KAUNE, M.T. PHILLIPS, R.D.

TITLE: ATTEMPTS TO PRODUCE TASTE-AVERSION LEARNING IN RATS EXPOSED TO 60-HZ ELECTRIC FIELDS

PUBLICATION DATE: 1984

LANGUAGE:

ABSTRACT:

INDEX NUMBER: 84005

SOURCE: BIOELECTROMAGNETICS, VOL 5, PP. 271-182

SUBJECT CATEGORIES

END POINTS

SPECIES

AC ELECTRIC FIELDS

BEHAVIOR
PSYCHOLOGY

SMALL MAMMALS

AUTHOR(S): CREMER-BARTELS, G. KRAUSE, K. KUCHLE, H.J.

TITLE: INFLUENCE OF LOW MAGNETIC-FIELD-STRENGTH VARIATIONS ON THE RETINA AND PINEAL GLAND OF QUAIL AND HUMANS

PUBLICATION DATE: 1983

LANGUAGE:

ABSTRACT:

INDEX NUMBER: 83004

SOURCE: GRAEFE'S ARCHIVE FOR CLINICAL AND EXPERIMENTAL OPHTHALMOLOGY, NO. 220, PP. 248-252

SUBJECT CATEGORIES

END POINTS

SPECIES

UNSPECIFIED FIELDS

BIOCHEMISTRY
CIRCADIAN RHYTHMS
OPTICAL EFFECTS

AVIANS
HUMANS

PAGE 59 ELF BIOLOGICAL EFFECTS LITERATURE DATABASE

AUTHOR(S): CREMER-BARTELS, G. KRAUSE, K. MITOSKAS, G. BRODERSEN, D.

TITLE: MAGNETIC FIELD OF THE EARTH AS ADDITIONAL ZEITGEBER FOR ENDOGENOUS RHYTHMS?

PUBLICATION DATE: 1984

LANGUAGE:

ABSTRACT:

INDEX NUMBER: 84090

SOURCE: NATURWISSENSCHAFTEN, VOL. 71, PP. 567-574

SUBJECT CATEGORIES

END POINTS

SPECIES

GEOMAGNETIC FIELDS

BIOCHEMISTRY

CIRCADIAN RHYTHMS

LITERATURE REVIEW

OPTICAL EFFECTS

AVIANS

DOMESTIC FOWL

AUTHOR(S): CREMONA, G.F.

TITLE: GOMARTHROSIS: PHYSIOTHERAPY TREATMENT

PUBLICATION DATE: APRIL 1984

LANGUAGE: ITALIAN

ABSTRACT: ENGLISH

INDEX NUMBER: 84064

SOURCE: MINERVA MEDICA-MEDICINA SOCIALE, VOL. 75, NO. 16, PP. 903-907

SUBJECT CATEGORIES

END POINTS

SPECIES

UNCONVENTIONAL MAGNETIC FIELDS

CLINICAL MEDICINE

HUMANS

ELF BIOLOGICAL EFFECTS LITERATURE DATABASE

PAGE 60

AUTHOR(S): CROCETTI, A.M.

TITLE: REPORT ON CONFERENCES WITH DR. NANCY WERTHEIMER, AND WERTHEIMER RESPONSE

PUBLICATION DATE: FEBRUARY 1983

LANGUAGE:

ABSTRACT:

INDEX NUMBER: 83016

SOURCE: NEW YORK DEPARTMENT OF HEALTH POWERLINES PROJECT

SUBJECT CATEGORIES

AC MAGNETIC FIELDS

ASSESSMENT METHODS

CANCER

HUMAN HEALTH

LEUKEMIA

PUBLIC HEALTH

RESEARCH ASSESSMENT

END POINTS

SPECIES

HUMANS

AUTHOR(S): CURRIER, R.D.

TITLE: "SILENT KEYS": LEUKAEMIA DEATHS (LETTER TO THE EDITOR)

PUBLICATION DATE: MAY 1985

LANGUAGE:

ABSTRACT:

INDEX NUMBER: 85005

SOURCE: THE LANCET, P. 1096

SUBJECT CATEGORIES

UNSPECIFIED FIELDS

CANCER

HUMAN HEALTH

LEUKEMIA

MORTALITY

END POINTS

SPECIES

HUMANS

ELF BIOLOGICAL EFFECTS LITERATURE DATABASE

PAGE 61

AUTHOR(S): DALEY, M.L. MORTON, M.E. CHARTIER, V. ZAJAC, H. BENITEZ, H.

TITLE: COMMUNITY FEAR OF NONIONIZING RADIATION: A FIELD INVESTIGATION

PUBLICATION DATE: MARCH 1985

LANGUAGE:

ABSTRACT:

INDEX NUMBER: 85003

SOURCE: IEEE TRANSACTIONS ON BIOMEDICAL ENGINEERING, VOL. BME-32, NO. 3, PP. 246-248

SPECIES

END POINTS

SUBJECT CATEGORIES

AC ELECTRIC FIELDS	CANCER	HUMANS
AC MAGNETIC FIELDS	ELECTRIC FIELD MEASUREMENTS	
	EXPOSURE STANDARDS	
	LEUKEMIA	
	MAGNETIC FIELD MEASUREMENTS	
	PUBLIC HEALTH	

AUTHOR(S): DELPORT, P.H. CHENG, M. HODGMARTENS, M.J. SANSEN, M. DELOEYER, M.

TITLE: THE EFFECTS OF PULSED ELECTROMAGNETIC FIELDS ON PROTEIN SYNTHESIS AND MEMBRANE TRANSPORT IN RAT SKIN

PUBLICATION DATE: SEPTEMBER 1982

LANGUAGE:

ABSTRACT: YES

INDEX NUMBER: 82018

SOURCE: TRANSACTIONS OF THE SECOND ANNUAL MEETING OF THE BIOELECTRICAL REPAIR AND GROWTH SOCIETY, P. 34

SPECIES

END POINTS

SUBJECT CATEGORIES

UNSPECIFIED FIELDS	BIOCHEMISTRY	SMALL MAMMALS
	TISSUE CULTURE	

ELF BIOLOGICAL EFFECTS LITERATURE DATABASE

PAGE 62

AUTHOR(S): DELPORT, P. MULIER, M. CHENG, M. MULIER, J.C.

TITLE: TREATMENT OF NON-UNION OF THE FEMUR WITH PULSED ELECTROMAGNETIC FIELDS

PUBLICATION DATE: SEPTEMBER 1982

LANGUAGE:

ABSTRACT: YES

INDEX NUMBER: 82049

SOURCE: TRANSACTIONS OF THE SECOND ANNUAL MEETING OF THE BIOELECTRICAL REPAIR AND GROWTH SOCIETY, P. 76

SUBJECT CATEGORIES

END POINTS

SPECIES

UNCONVENTIONAL MAGNETIC FIELDS

BONE GROWTH/REPAIR

CLINICAL MEDICINE

HUMANS

AUTHOR(S): DEMO, D.W.

TITLE: UHF TRANSMISSION LINE ELECTRIC FIELD REDUCTION WITH A SET OF HORIZONTAL WIRES

PUBLICATION DATE: SEPT-OCTOBER 1977

LANGUAGE:

ABSTRACT:

INDEX NUMBER: 77027

SOURCE: IEEE TRANSACTIONS ON POWER APPARATUS AND SYSTEMS, VOL. PAS-96, NO. 5, PP. 1507-1516

SUBJECT CATEGORIES

END POINTS

SPECIES

AC ELECTRIC FIELDS

ELECTRIC FIELD MEASUREMENTS

FIELD EQUATIONS

INDUCTIVE COUPLING

SHIELDING EFFECT

UNSPECIFIED

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ELF BIOLOGICAL EFFECTS LITERATURE DATABASE

AUTHOR(S): DEMO, D.W. SILVA, M.

TITLE: METHOD FOR EVALUATING HUMAN EXPOSURE TO 60 HZ ELECTRIC FIELDS

PUBLICATION DATE: JAN-FEBRUARY 1984

LANGUAGE:

ABSTRACT:

INDEX NUMBER: 84012

SOURCE: IEEE POWER ENGINEERING SOCIETY 1984 WINTER MEETING

SUBJECT CATEGORIES

END POINTS

SPECIES

AC ELECTRIC FIELDS

BODY CURRENT
BODY SURFACE FIELD
DOSIMETRY
FIELD EQUATIONS
INSTRUMENTATION
MEASUREMENT METHODS
SCALING FACTORS

HUMANS

AUTHOR(S): DERENBAEGER, A. GONSETTE, R.

TITLE: AN EXPERIMENTAL PERMEABILIZATION OF THE BLOOD-BRAIN BARRIER BY ELECTRIC FIELD APPLICATION

PUBLICATION DATE: 1977

LANGUAGE:

ABSTRACT:

INDEX NUMBER: 77035

SOURCE: EUROPEAN NEUROLOGY, NO. 5, PP. 333-339

SUBJECT CATEGORIES

END POINTS

SPECIES

UNSPECIFIED FIELDS

BEHAVIOR
BRAIN SYSTEM
CALCIUM EFFLUX

SMALL MAMMALS

AUTHOR(S): DETMIBAUUT DEBOESINGHE

TITLE: BIOLOGICAL EFFECTS OF ELECTRICAL AND MAGNETIC FIELDS

PUBLICATION DATE: 1979

LANGUAGE: DUTCH

ABSTRACT: ENGLISH

INDEX NUMBER: 79004

SOURCE: ANNALS OF THE ASSOCIATION OF BELGE RADIOPROT, VOL. 4, NO. 3, PP. 139-144

SUBJECT CATEGORIES

END POINTS

SPECIES

AC MAGNETIC FIELDS
AC ELECTRIC FIELDS

LITERATURE REVIEW

HUMANS
SMALL MAMMALS

AUTHOR(S): DEVIZIO, M. MARIVADA, P.S.

TITLE: EXPERIMENTAL STUDY OF THE ELECTROSTATIC FIELD IN STATIONS AND UNDER HIGH VOLTAGE TRANSMISSION LINES

PUBLICATION DATE: OCTOBER 1978

LANGUAGE: FRENCH

ABSTRACT: ENGLISH

INDEX NUMBER: 78014

SOURCE: CANADIAN ELECTRICAL ENGINEERING, VOL. 3, NO. 4, PP. 29-32

SUBJECT CATEGORIES

END POINTS

SPECIES

AC ELECTRIC FIELDS

BODY CURRENT
ELECTRIC FIELD MEASUREMENTS

HUMANS

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ELF BIOLOGICAL EFFECTS LITERATURE DATABASE

AUTHOR(S): DIHEL, L.E. SMITH-SONNEBORN, J. MIDDAGH, C.R.

TITLE: EFFECTS OF AN EXTREMELY LOW FREQUENCY ELECTROMAGNETIC FIELD ON THE CELL DIVISION RATE AND PLASMA MEMBRANE OF PARAMECIUM TETRAURELIA

PUBLICATION DATE: 1985

LANGUAGE:

ABSTRACT:

INDEX NUMBER: 85080

SOURCE: BIOELECTROMAGNETICS, VOL. 6, PP. 61-71

SUBJECT CATEGORIES

END POINTS

SPECIES

UNCONVENTIONAL MAGNETIC FIELDS

CELL SYSTEMS
MITOTIC CYCLE

BACTERIA

AUTHOR(S): DIPLACEDD, J. SHIH, C.H. WARE, B.J.

TITLE: ANALYSIS OF PROXIMITY EFFECTS IN ELECTRIC FIELD MEASUREMENTS

PUBLICATION DATE: NOV-DECEMBER 1978

LANGUAGE:

ABSTRACT:

INDEX NUMBER: 78024

SOURCE: IEEE TRANSACTIONS ON POWER APPARATUS AND SYSTEMS, VOL. PAS-97, NO. 6, PP. 2167-2177

SUBJECT CATEGORIES

END POINTS

SPECIES

AC ELECTRIC FIELDS

BODY CURRENT
ELECTRIC FIELD MEASUREMENTS
FIELD EQUATIONS
INSTRUMENTATION
MEASUREMENT METHODS

HUMANS

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ELF BIOLOGICAL EFFECTS LITERATURE DATABASE

AUTHOR(S): DODGE, C.H. HELLMAN, V.B. DIMOND, M.T. BREZANSKY, B. PILLA, A.A.

TITLE: EFFECTS OF A LOW LEVEL PULSED ELECTROMAGNETIC FIELD ON GROWTH AND DEVELOPMENT OF HATCHLING TURTLES

PUBLICATION DATE: JUNE 1985

LANGUAGE:

ABSTRACT: YES

INDEX NUMBER: 85047

SOURCE: BIOELECTROMAGNETICS SOCIETY 7TH ANNUAL MEETING

SUBJECT CATEGORIES

END POINTS

SPECIES

UNSPECIFIED FIELDS

BEHAVIOR

GROWTH AND DEVELOPMENT

AMPHIBIANS

AUTHOR(S): DOUGLAS, J.

TITLE: ELECTROMAGNETIC FIELDS AND HUMAN HEALTH

PUBLICATION DATE: JULY-AUGUST 1984

LANGUAGE:

ABSTRACT:

INDEX NUMBER: 84010

SOURCE: ELECTRIC POWER RESEARCH INSTITUTE JOURNAL, PP. 15-21

SUBJECT CATEGORIES

END POINTS

SPECIES

AC ELECTRIC FIELDS

CANCER

DOSEMETRY

EPIDEMIOLOGY

GENETICS

HUMAN HEALTH

LEUKEMIA

LITERATURE REVIEW

PUBLIC HEALTH

HUMANS

LIVESTOCK

SMALL MAMMALS

ELF BIOLOGICAL EFFECTS LITERATURE DATABASE

PAGE 67

AUTHOR(S): DRAGO, G.P. MARCHESE, M. RIDELLA, S.

TITLE: THE FREQUENCY DEPENDENCE OF AN ANALYTICAL MODEL OF AN ELECTRICALLY STIMULATED BIOLOGICAL STRUCTURE

PUBLICATION DATE: 1984

LANGUAGE:

ABSTRACT:

INDEX NUMBER: 84057

SOURCE: BIOELECTROMAGNETICS, VOL. 5, PP. 47-62

SUBJECT CATEGORIES

AC ELECTRIC FIELDS

CELL SYSTEMS
CURRENT DENSITY
FIELD EQUATIONS
INTERNAL FIELDS
MECHANISMS
MODELING

END POINTS

SPECIES

UNSPECIFIED

AUTHOR(S): DUBROV, A.P.

TITLE: THE GEOMAGNETIC FIELD AND LIFE (GEOMAGNETOBIOLOGY)

PUBLICATION DATE: 1978

LANGUAGE:

ABSTRACT:

INDEX NUMBER: 78017

SOURCE: PLENUM PRESS, NEW YORK

SUBJECT CATEGORIES

GEOMAGNETIC FIELDS

BEHAVIOR
BIOCHEMISTRY
CARDIOVASCULAR FUNCTION
CELL SYSTEMS
CIRCADIAN RHYTHMS
FIELD EQUATIONS
GENETICS
LITERATURE REVIEW
MAGNETIC FIELD MEASUREMENTS
MIGRATION

END POINTS

SPECIES

ALL-INCLUSIVE

PAGE 68 ELF BIOLOGICAL EFFECTS LITERATURE DATABASE

AUTHOR(S): DUMANSKII, Y.D. POPOVICH, V.M. KOZYARIN, I.P.

TITLE: EFFECTS OF LOW-FREQUENCY (50 HZ) ELECTROMAGNETIC FIELD ON FUNCTIONAL STATE OF THE HUMAN BODY

PUBLICATION DATE: 1977

LANGUAGE: RUSSIAN

ABSTRACT: ENGLISH

INDEX NUMBER: 77016

SOURCE: GIGIEN A SANITARYA NO.12, PP. 32-35

SUBJECT CATEGORIES

END POINTS

SPECIES

AC ELECTRIC FIELDS

EXPOSURE STANDARDS
PUBLIC HEALTH
OCCUPATIONAL HEALTH

HUMANS

AUTHOR(S): DUNN, A.W. RUSH, G.A.

TITLE: ELECTRICAL STIMULATION IN TREATMENT OF DELAYED UNION AND NONUNION OF FRACTURES AND OSTEOTOMIES

PUBLICATION DATE: FEBRUARY 1984

LANGUAGE:

ABSTRACT:

INDEX NUMBER: 84034

SOURCE: SOUTHERN MEDICAL JOURNAL, VOL. 77, NO. 12, PP. 1530-1534

SUBJECT CATEGORIES

END POINTS

SPECIES

UNCONVENTIONAL MAGNETIC FIELDS

BONE GROWTH/REPAIR
CLINICAL MEDICINE

HUMANS

PAGE 69

ELF BIOLOGICAL EFFECTS LITERATURE DATABASE

AUTHOR(S): DURIEZ, R. BASSETT, A.

TITLE: EFFECT OF SOME ELECTRIC SIGNALS TRANSMITTED BY AN INDUCTION COIL ON WEIGHT INCREASE, INCORPORATION OF MARKER, AND HISTOLOGICAL AND ULTRASTRUCTURAL APPEARANCE OF THE SPALLATION IN A CHICK EMBRYO

PUBLICATION DATE: JUNE 1980

LANGUAGE: FRENCH

ABSTRACT: ENGLISH

INDEX NUMBER: 80009

SOURCE: ACADEMIE DES SCIENCES, PARIS, C.R. 290 (SERIE D) PP. 1483-1486

SUBJECT CATEGORIES

UNCONVENTIONAL MAGNETIC FIELDS

CELL SYSTEMS
EMBRYOLOGY

END POINTS

SPECIES

DOMESTIC FOWL

77

AUTHOR(S): EMBRY, S.

TITLE: IS THERE A NEED FOR THE COMMISSION TO RECONSIDER ITS DECISION TO ALLOW AN ELECTRIC FIELD OF 1.6 KV/M AT THE EDGE OF THE RIGHT-OF-WAY IN NEW YORK

PUBLICATION DATE: APRIL 1983

LANGUAGE:

ABSTRACT:

INDEX NUMBER: 83005

SOURCE: NEW YORK STATE DEPARTMENT OF PUBLIC SERVICE

SUBJECT CATEGORIES

AC ELECTRIC FIELDS
AC MAGNETIC FIELDS

EXPOSURE STANDARDS
LITERATURE REVIEW

END POINTS

SPECIES

HUMANS

PAGE 70 ELF BIOLOGICAL EFFECTS LITERATURE DATABASE

AUTHOR(S): EASTERLY, C.E. ALDRICH, T.E.

TITLE: ELF FIELDS AND PUBLIC HEALTH: DETERMINING THE RISKS

PUBLICATION DATE: JUNE 1985

LANGUAGE:

ABSTRACT: YES

INDEX NUMBER: 85021

SOURCE: BIOELECTROMAGNETICS SOCIETY 7TH ANNUAL MEETING

SUBJECT CATEGORIES	END POINTS	SPECIES
UNSPECIFIED FIELDS	ASSESSMENT METHODS EPIDEMIOLOGY HUMAN HEALTH OCCUPATIONAL HEALTH PUBLIC HEALTH	HUMANS

AUTHOR(S): EHRET, C.F. SACHER, G.A. LANGSDORF, A. LEWIS, R.W.

TITLE: EXPOSURE AND DATA-COLLECTION FACILITIES FOR CIRCADIAN STUDIES OF ELECTRIC FIELD EFFECTS UPON BEHAVIOR, THERMOREGULATION, AND METABOLISM IN SMALL RODENTS

PUBLICATION DATE: 1979

LANGUAGE:

ABSTRACT:

INDEX NUMBER: 79014

SOURCE: HANFORD LIFE SCIENCES SYMPOSIUM, 18TH DOE SYMPOSIUM SERIES 50, PP. 198-224

SUBJECT CATEGORIES	END POINTS	SPECIES
AC ELECTRIC FIELDS	BODY CURRENT EXPOSURE FACILITIES INSTRUMENTATION SCALING FACTORS	SMALL MAMMALS

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ELF BIOLOGICAL EFFECTS LITERATURE DATABASE

AUTHOR(S): EHRET, C.F. SACHER, G.A. SVIHLA, G. ROSENBERG, R.S. DUFFY, P.H. BRON, K.R. MEINERT, J.C. OBERMEYER, M. RUSSELL, J.J.

TITLE: BIOMEDICAL EFFECTS OF ENERGY TRANSMISSION : EFFECT OF EXTREMELY LOW FREQUENCY ELECTRIC FIELDS ON ULTRADIAN, CIRCADIAN, AND INFRADIAN FUNCTIONS IN RODENTS

PUBLICATION DATE: 1979

LANGUAGE:

ABSTRACT:

INDEX NUMBER: 79001

SOURCE: ARGONNE NATIONAL LABORATORY, DIVISION OF BIOLOGICAL AND MEDICAL RESEARCH ANNUAL REPORT FOR 1979, ANL-80-90, PP. 37-38

SUBJECT CATEGORIES

END POINTS

SPECIES

AC ELECTRIC FIELDS

BEHAVIOR
CIRCADIAN RHYTHMS

SMALL MAMMALS

AUTHOR(S): EYERT, E.E.

TITLE: SUDDEN INFANT DEATH SYNDROME AND ELECTROMAGNETIC FIELDS: POINT OF VIEW (AUTHOR'S REPLY TO SHAEFER AND SILNY CRITIQUE)

PUBLICATION DATE: 1977

LANGUAGE: GERMAN

ABSTRACT: ENGLISH

INDEX NUMBER: 77022

SOURCE: MEDIZINISCHE KLINIK, VOL. 2, NO. 19, PP. 872-874

SUBJECT CATEGORIES

END POINTS

SPECIES

UNSPECIFIED FIELDS

EPIDEMIOLOGY
MODELING
MORTALITY
PUBLIC HEALTH

HUMANS

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ELF BIOLOGICAL EFFECTS LITERATURE DATABASE

AUTHOR(S): ENK, J.O. ABRONAVAGE, M.M.

TITLE: EXPOSURE TO LOW-LEVEL EXTREMELY LOW FREQUENCY ELECTROMAGNETIC FIELDS NEAR NAVAL COMMUNICATIONS FACILITIES

PUBLICATION DATE: JULY 1984

LANGUAGE:

ABSTRACT:

INDEX NUMBER: 84015

SOURCE: IEEE JOURNAL OF OCEANIC ENGINEERING, VOL. OE-9, NO. 3, PP. 135-142

SUBJECT CATEGORIES

END POINTS

SPECIES

AC ELECTRIC FIELDS
AC MAGNETIC FIELDS

ELECTRIC FIELD MEASUREMENTS
EXPOSURE STANDARDS
INSTRUMENTATION
MAGNETIC FIELD MEASUREMENTS
MEASUREMENT METHODS
PUBLIC HEALTH
RESIDENTIAL FIELDS

HUMANS

AUTHOR(S): ENZLER, M.A. PERREN, S.M.

TITLE: A CONTROLLED STUDY OF THE TREATMENT OF NONUNITING OSTEOTOMIES WITH PULSATING ELECTROMAGNETIC FIELDS

PUBLICATION DATE: APRIL 1984

LANGUAGE:

ABSTRACT:

INDEX NUMBER: 84073

SOURCE: ORTHOPAED, VOL. 13, NO. 2, PP. 97-101

SUBJECT CATEGORIES

END POINTS

SPECIES

UNCONVENTIONAL MAGNETIC FIELDS

BONE GROWTH/REPAIR

CANINES

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ELF BIOLOGICAL EFFECTS LITERATURE DATABASE

AUTHOR(S): ENZLER, M.A. SUMNER-SMITH, G. MAELCHLI-SUTER, C. PERREN, S.M.

TITLE: TREATMENT OF NONUNITING OSTEOATOMIES WITH PULSATING ELECTROMAGNETIC FIELDS

PUBLICATION DATE: JULY-AUGUST 1984

LANGUAGE:

ABSTRACT:

INDEX NUMBER: 84031

SOURCE: CLINICAL ORTHOPAEDICS AND RELATED RESEARCH, NO. 187, PP. 272-276

SUBJECT CATEGORIES

UNCONVENTIONAL MAGNETIC FIELDS

BONE GROWTH/REPAIR

END POINTS

SPECIES

CANINES

81

AUTHOR(S): ESKOV, E.K.

TITLE: ETHNOLOGICAL ANOMALIES IN BEES AND WASPS CAUSED BY THE EFFECT OF ELECTRIC FIELDS

PUBLICATION DATE: 1982

LANGUAGE: RUSSIAN

ABSTRACT: ENGLISH

INDEX NUMBER: 82076

SOURCE: EKOLOGIYA O, NO.6, PP. 76-78

SUBJECT CATEGORIES

AC ELECTRIC FIELDS

BEHAVIOR
MORTALITY

END POINTS

SPECIES

AIRBORNE INSECTS
POLLINATING INSECTS

PAGE 74

ELF BIOLOGICAL EFFECTS LITERATURE DATABASE

AUTHOR(S): FARMDALE, R.W.

TITLE: STIMULATION OF MATRIX PRODUCTION BY PULSED MAGNETIC FIELDS

PUBLICATION DATE: SEPTEMBER 1982

LANGUAGE:

ABSTRACT: YES

INDEX NUMBER: 82041

SOURCE: TRANSACTIONS OF THE SECOND ANNUAL MEETING OF THE BIOELECTRICAL REPAIR AND GROWTH SOCIETY, P. 45

SUBJECT CATEGORIES

UNSPECIFIED FIELDS

BIOCHEMISTRY
CELL SYSTEMS
TISSUE CULTURE

END POINTS

SPECIES

LIVESTOCK

82

AUTHOR(S): FELDSTONE, C.S. SPIEGEL, R.J. WINTERS, W. POLONIS, J.J.

TITLE: PRELIMINARY STUDY OF BEHAVIORAL AND BIOLOGICAL EFFECTS OF HIGH INTENSITY 60 HZ ELECTRIC FIELDS

PUBLICATION DATE: MARCH 1980

LANGUAGE:

ABSTRACT:

INDEX NUMBER: 80001

SOURCE: U.S. DEPARTMENT OF ENERGY, INTERIM TECHNICAL PROGRESS REPORT NO. 4 (SHR1-14-5277)

SUBJECT CATEGORIES

AC ELECTRIC FIELDS

BEHAVIOR
BIOCHEMISTRY
MODELING

END POINTS

SPECIES

PRIMATES

PAGE 75

ELF BIOLOGICAL EFFECTS LITERATURE DATABASE

AUTHOR(S): FILDES, R.N. O'LAUGHLIN, B.J. BRADSHAW, J.L. EMENS, M.J.

TITLE: HUMAN ORIENTATION WITH RESTRICTED SENSORY INFORMATION: NO EVIDENCE FOR MAGNETIC SENSITIVITY

PUBLICATION DATE: 1984

LANGUAGE:

ABSTRACT:

INDEX NUMBER: 84058

SOURCE: PERCEPTION, VOL. 13, NO. 3, PP. 229-236

SUBJECT CATEGORIES

END POINTS

SPECIES

GEOMAGNETIC FIELDS

ORIENTATION

HUMANS

AUTHOR(S): FINDL, E.

TITLE: RIDELECTROCHEMISTRY-ELECTROPHYSIOLOGY-ELECTROBIOLOGY

PUBLICATION DATE: 1982

LANGUAGE:

ABSTRACT:

INDEX NUMBER: 82056

SOURCE: MODERN ASPECTS OF ELECTROCHEMISTRY (PLENUM PUBLISHING CO, NEW YORK) CHAPTER 7, PP. 509-555

SUBJECT CATEGORIES

END POINTS

SPECIES

UNCONVENTIONAL ELECTRIC FIELDS
UNCONVENTIONAL MAGNETIC FIELDS

BONE GROWTH/REPAIR
CALCIUM EFFLUX

CARDIOVASCULAR FUNCTION

CELL COMMUNICATIONS

CLINICAL MEDICINE

LIMB REGENERATION

LITERATURE REVIEW

MECHANISMS

MODELING

ORAL MEDICINE

AMPHIBIANS

HUMANS

PRIMATES

SMALL MAMMALS

PAGE 76 ELF BIOLOGICAL EFFECTS LITERATURE DATABASE

AUTHOR(S): FINDL, E.

TITLE: FIELD/CELL INTERACTION MODEL

PUBLICATION DATE: SEPTEMBER 1984

LANGUAGE:

ABSTRACT:

INDEX NUMBER: 84032

SOURCE: IEEE ENGINEERING IN MEDICINE AND BIOLOGY SOCIETY MEETING, CONF-840966-1

SUBJECT CATEGORIES	END POINTS	SPECIES
AC ELECTRIC FIELDS	CELL SYSTEMS	UNSPECIFIED
AC MAGNETIC FIELDS	MECHANISMS	
UNCONVENTIONAL MAGNETIC FIELDS	WINDOW EFFECT	

AUTHOR(S): FISCHER, G. UDERMANN, H. KNAPP, E.

TITLE: DOES A 50-CYCLE ALTERNATING FIELD CAUSE CENTRAL-NERVOUS EFFECTS?

PUBLICATION DATE: 1978

LANGUAGE: GERMAN

ABSTRACT: ENGLISH

INDEX NUMBER: 78026

SOURCE: ZBL. BAKT. HYG; I. ABT. ORIG. B 166, PP. 381-385

SUBJECT CATEGORIES	END POINTS	SPECIES
AC ELECTRIC FIELDS	BIOCHEMISTRY	SMALL MAMMALS
	BRAIN SYSTEM	
	METABOLISM	
	NEUROPHYSIOLOGY	

PAGE 77

ELF BIOLOGICAL EFFECTS LITERATURE DATABASE

AUTHOR(S): FISCHER, G. YARIK, N. SCHUBER, A. EGGER, G.

TITLE: INFLUENCE OF A WEAK MAGNETIC FIELD ON THE DEVELOPMENT OF AN ACUTE INFLAMMATION IN RATS

PUBLICATION DATE: MARCH 1984

LANGUAGE: GERMAN

ABSTRACT: ENGLISH

INDEX NUMBER: 84059

SOURCE: CENTRAL LABORATORY FOR BACTERIOLOGY AND MICROBIOLOGICAL HYGIENE, VOL. 179, NO. 1, PP. 32-43

SUBJECT CATEGORIES

END POINTS

SPECIES

UNCONVENTIONAL MAGNETIC FIELDS

BIOCHEMISTRY
WOUND HEALING

SMALL MAMMALS

85

AUTHOR(S): FISCHER, R.L.

TITLE: ELF COMMUNICATIONS SYSTEM ECOLOGICAL MONITORING PROGRAM - BIOLOGICAL STUDIES ON POLLINATING INSECTS: MEGACHILID BEES

PUBLICATION DATE: JUNE 1985

LANGUAGE:

ABSTRACT:

INDEX NUMBER: 85132

SOURCE: COMPILATION OF 1984 ANNUAL REPORTS OF THE NAVY ELF COMMUNICATIONS SYSTEM ECOLOGICAL MONITORING PROGRAM, VOL. 2, TAB F, 111 RESEARCH INSTITUTE REPORT ED6549-17

SUBJECT CATEGORIES

END POINTS

SPECIES

AC ELECTRIC FIELDS
AC MAGNETIC FIELDS

ASSESSMENT METHODS
BEHAVIOR
ECOLOGY STUDIES
ORIENTATION

POLLINATING INSECTS

PAGE 70

ELF BIOLOGICAL EFFECTS LITERATURE DATABASE

AUTHOR(S): FITTON-JACKSON, S. MARSLAND, T.P. FARNDALE, R.M. ROUTLE, R.

TITLE: PHYSICAL FACTORS INVOLVED IN BIOLOGICAL RESPONSES TO PULSED MAGNETIC FIELDS

PUBLICATION DATE: SEPTEMBER 1982

LANGUAGE:

ABSTRACT: YES

INDEX NUMBER: 82037

SOURCE: TRANSACTIONS OF THE SECOND ANNUAL MEETING OF THE BIOELECTRICAL REPAIR AND GROWTH SOCIETY, P. 31

SUBJECT CATEGORIES

END POINTS

SPECIES

UNCONVENTIONAL MAGNETIC FIELDS

BIOCHEMISTRY

BONE GROWTH/REPAIR

DNA

UNSPECIFIED

86

AUTHOR(S): FLORIG, H.K. HOBERG, J.F. MORGAN, M.G.

TITLE: ELECTRICALLY-INDUCED BODY SURFACE FIELDS AND CURRENT DENSITIES ASSOCIATED WITH THE USE OF ELECTRIC BLANKETS AND HEATED WATER BEDS

PUBLICATION DATE: JUNE 1985

LANGUAGE:

ABSTRACT: YES

INDEX NUMBER: 85034

SOURCE: BIOELECTROMAGNETICS SOCIETY 7TH ANNUAL MEETING

SUBJECT CATEGORIES

END POINTS

SPECIES

AC ELECTRIC FIELDS

APPLIANCE FIELDS

BODY SURFACE FIELD

CURRENT DENSITY

MODELING

HUMANS

PAGE 79 ELF BIOLOGICAL EFFECTS LITERATURE DATABASE

AUTHOR(S): FORMANEY, V.C. GAUGER, J.R. EMERLE, E.

TITLE: SUSCEPTIBILITY OF CARDIAC PACEMAKERS TO MODULATED ELF MAGNETIC FIELDS

PUBLICATION DATE: JUNE 1977

LANGUAGE:

ABSTRACT:

INDEX NUMBER: 77007

SOURCE: MIT RESEARCH INSTITUTE REPORT E6357-5

SUBJECT CATEGORIES	END POINTS	SPECIES
AC MAGNETIC FIELD	CARDIAC PACEMAKERS MODULATION	HUMANS

AUTHOR(S): FOWLER, A.K. COLE, L.D. HELLMAN, K.B. SWICORD, M.L.

TITLE: THE EFFECTS OF PULSED ELECTROMAGNETIC FIELDS ON CELLULAR BINDING CHARACTERISTICS AND MITOGENIC STIMULATION OF EPIDERMAL GROWTH FACTOR

PUBLICATION DATE: JUNE 1985

LANGUAGE:

ABSTRACT: YES

INDEX NUMBER: 85038

SOURCE: BIOELECTROMAGNETICS SOCIETY 7TH ANNUAL MEETING

SUBJECT CATEGORIES	END POINTS	SPECIES
UNSPECIFIED FIELDS	CELL SYSTEMS	UNSPECIFIED

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ELF BIOLOGICAL EFFECTS LITERATURE DATABASE

AUTHOR(S): FRANC, C. SCHACHAR, N. DITTRICH, N. SHRIVE, N. DEHASS, W. EDWARDS, G.

TITLE: THE ELECTROMAGNETIC STIMULATION OF LIGAMENT HEALING IN A RABBIT MODEL

PUBLICATION DATE: NOVEMBER 1981

LANGUAGE:

ABSTRACT: YES

INDEX NUMBER: 81015

SOURCE: TRANSACTIONS OF THE FIRST ANNUAL MEETING OF THE BIOELECTRICAL REPAIR AND GROWTH SOCIETY

SUBJECT CATEGORIES

END POINTS

SPECIES

UNCONVENTIONAL MAGNETIC FIELDS

BONE GROWTH/REPAIR

SMALL MAMMALS

AUTHOR(S): FRANKEL, R.B. BLAKEMORE, R.P. WOLFE, R.S.

TITLE: MAGNETITE IN FRESHWATER MAGNETOTACTIC BACTERIA

PUBLICATION DATE: MARCH 1979

LANGUAGE:

ABSTRACT:

INDEX NUMBER: 79023

SOURCE: SCIENCE, VOL. 203, PP. 1355-1356

SUBJECT CATEGORIES

END POINTS

SPECIES

GEOMAGNETIC FIELDS

ORIENTATION

BACTERIA

ELF BIOLOGICAL EFFECTS LITERATURE DATABASE

PAGE 81

AUTHOR(S): FRAZIER, M.J. BRIDGES, J.E. HAUSER, R.G.

TITLE: INTERNAL BODY POTENTIALS AND CURRENTS FROM ELF ELECTRIC FIELDS AND HOUSEHOLD APPLIANCES

PUBLICATION DATE: JUNE 1978

LANGUAGE:

ABSTRACT:

INDEX NUMBER: 78025

SOURCE: IEEE INTERNATIONAL SYMPOSIUM ON ELECTROMAGNETIC COMPATIBILITY, PP. 266-272

SUBJECT CATEGORIES

AC ELECTRIC FIELDS

APPLIANCE FIELDS
BODY IMPEDANCE
BODY CURRENT
CARDIAC PACEMAKERS
FIELD EQUATIONS

END POINTS

SPECIES

HUMANS
PRIMATES

AUTHOR(S): FREIMARK, S.J. SALZINGER, K. MCCULLOUGH, M.R. PHILLIPS, D.D. COLL, G. BIRENBAUM, L.

TITLE: EFFECTS OF 60 HZ ELECTRIC AND MAGNETIC FIELDS ON THE RESPONSE RATE OF ADULT AND PRE/PERINATALLY EXPOSED RATS

PUBLICATION DATE: JUNE 1985

LANGUAGE:

ABSTRACT: YES

INDEX NUMBER: 85028

SOURCE: BIOELECTROMAGNETICS SOCIETY 7TH ANNUAL MEETING

SUBJECT CATEGORIES

AC ELECTRIC FIELDS
AC MAGNETIC FIELDS

BEHAVIOR
GROWTH AND DEVELOPMENT
PSYCHOLOGY

END POINTS

SPECIES

SMALL MAMMALS

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ELF BIOLOGICAL EFFECTS LITERATURE DATABASE

AUTHOR(S): GALLAGHER, R.P. ELWOOD, J.M. ROOTMAN, J. SPINELLI, J.J. HILL, G.B. THRELFALL, W.J. BROSSELL, J.M.

TITLE: RISK FACTORS FOR OCULAR MELANOMA: WESTERN CANADA MELANOMA STUDY

PUBLICATION DATE: APRIL 1985

LANGUAGE:

ABSTRACT:

INDEX NUMBER: 85067

SOURCE: JOURNAL OF THE NATIONAL CANCER INSTITUTE, VOL. 74, NO 4, PP. 775-778

SUBJECT CATEGORIES

END POINTS

SPECIES

UNSPECIFIED FIELDS

CANCER

EPIDEMIOLOGY

HUMAN HEALTH

OCCUPATIONAL HEALTH

OPTICAL EFFECTS

PUBLIC HEALTH

TUMORS

HUMANS

AUTHOR(S): GAUGER, J.R.

TITLE: HOUSEHOLD APPLIANCE MAGNETIC FIELD SURVEY

PUBLICATION DATE: SEPTEMBER 1985

LANGUAGE:

ABSTRACT:

INDEX NUMBER: 85099

SOURCE: IEEE TRANSACTIONS ON POWER APPARATUS AND SYSTEMS, VOL. PAS-104, NO. 9, PP. 2436-2444

SUBJECT CATEGORIES

END POINTS

SPECIES

AC MAGNETIC FIELDS

APPLIANCE FIELDS

INSTRUMENTATION

UNSPECIFIED

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EXTREMELY LOW FREQUENCY (ELF) COMMUNICATIONS SYSTEM
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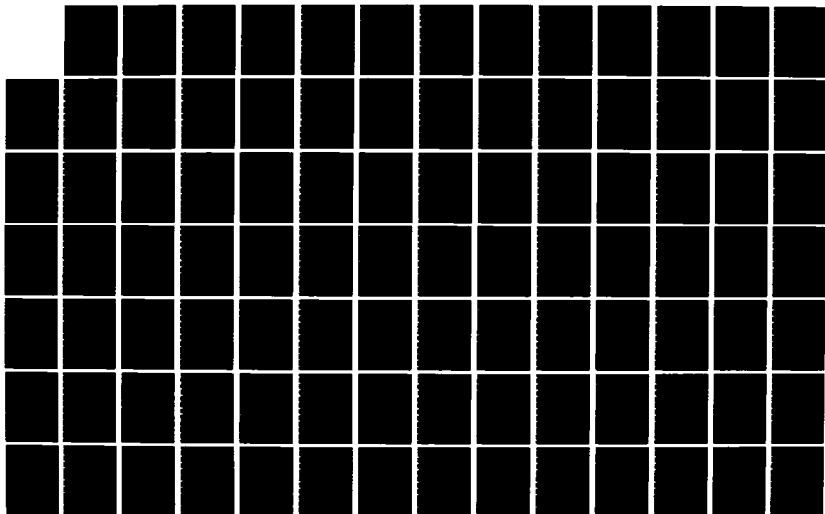
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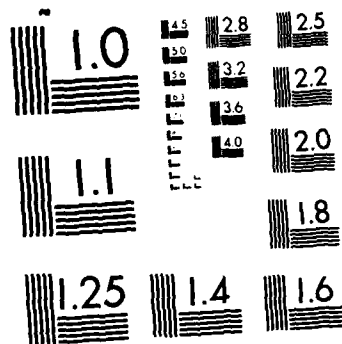
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MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS-1963-A

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ELF BIOLOGICAL EFFECTS LITERATURE DATABASE

AUTHOR(S): GAUTHREAU, S.A.

TITLE: ELECTROMAGNETIC INFLUENCES ON BIRDS

PUBLICATION DATE: MAY 1985

LANGUAGE:

ABSTRACT:

INDEX NUMBER: 85110

SOURCE: ASSESSMENTS AND VIEWPOINTS ON THE BIOLOGICAL AND HUMAN HEALTH EFFECTS OF EXTREMELY LOW FREQUENCY (ELF) ELECTROMAGNETIC FIELDS; AMERICAN INSTITUTE OF BIOLOGICAL SCIENCES, PP. 141-153

SUBJECT CATEGORIES

END POINTS

SPECIES

AC ELECTRIC FIELDS
AC MAGNETIC FIELDS
GEOMAGNETIC FIELDS

BEHAVIOR
MIGRATION
ORIENTATION
RESEARCH ASSESSMENT

AVIANS

91

AUTHOR(S): BERHARDT-SEENHAUSEN, U. RECKER, S.

TITLE: REACTIONS OF MODERN CARDIAC PACEMAKERS TO INTERFERENCE SOURCES

PUBLICATION DATE: JANUARY 1984

LANGUAGE: GERMAN

ABSTRACT: ENGLISH

INDEX NUMBER: 84098

SOURCE: LEBENSVERSICHERUNGSMEDIZIN, VOL. 36, NO. 1, PP. 1-6

SUBJECT CATEGORIES

END POINTS

SPECIES

UNSPECIFIED FIELDS

CARDIAC PACEMAKERS

HUMANS

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ELF BIOLOGICAL EFFECTS LITERATURE DATABASE

AUTHOR(S): GERLING, J.A. SINCLAIR, P.M. ROA, R.L.

TITLE: THE EFFECT OF PULSATING ELECTROMAGNETIC FIELDS ON CONDYLAR GROWTH IN GUINEA PIGS

PUBLICATION DATE: MARCH 1985

LANGUAGE:

ABSTRACT:

INDEX NUMBER: 85082

SOURCE: JOURNAL OF ORTHODONTY, VOL. 87, NO. 3, PP. 211-223

SUBJECT CATEGORIES

END POINTS

SPECIES

UNCONVENTIONAL MAGNETIC FIELDS

BONE GROWTH/REPAIR
ORAL MEDICINE

SMALL MAMMALS

92

AUTHOR(S): GERTH, C. SCHALYKOMA, L. THOSS, F. DRISCHEL, H.

TITLE: THE INFLUENCE OF AN ALTERNATING MAGNETIC FIELD ON CONDITIONING AND EXTINCTION OF CONDITIONED REACTION IN RATS

PUBLICATION DATE: 1983

LANGUAGE: GERMAN

ABSTRACT: ENGLISH

INDEX NUMBER: 83013

SOURCE: BIOMEDICA BIOCHIMICA ACTA VOL. 4, NO.9, PP. 1193-1198

SUBJECT CATEGORIES

END POINTS

SPECIES

AC MAGNETIC FIELDS

PSYCHOLOGY

SMALL MAMMALS

PAGE 85

ELF BIOLOGICAL EFFECTS LITERATURE DATABASE

AUTHOR(S): GOLDBERG, A.A.J. GASTON, S.R. RYABY, J.P.

TITLE: COMPUTER ANALYSIS OF DATA ON MORE THAN 11,000 CASES OF UNUNITED FRACTURE SUBMITTED FOR TREATMENT WITH PULSING ELECTROMAGNETIC FIELDS

PUBLICATION DATE: SEPTEMBER 1982

LANGUAGE:

ABSTRACT: YES

INDEX NUMBER: 82044

SOURCE: TRANSACTIONS OF THE SECOND ANNUAL MEETING OF THE BIOELECTRICAL REPAIR AND GROWTH SOCIETY, P. 61

SUBJECT CATEGORIES

END POINTS

SPECIES

UNSPECIFIED FIELDS

BONE GROWTH/REPAIR
CLINICAL MEDICINE

HUMANS

AUTHOR(S): SONA, A.G. YU, M.C. AL-RABIAI, S.

TITLE: EFFECTS OF 60 HZ ELECTRIC AND MAGNETIC FIELDS ON RAT CEREBELLAR DEVELOPMENT

PUBLICATION DATE: JUNE 1985

LANGUAGE:

ABSTRACT: YES

INDEX NUMBER: 85024

SOURCE: BIOELECTROMAGNETICS SOCIETY 7TH ANNUAL MEETING

SUBJECT CATEGORIES

END POINTS

SPECIES

AC ELECTRIC FIELDS
AC MAGNETIC FIELDS

BRAIN SYSTEM
CELL SYSTEMS
PATHOLOGY

SMALL MAMMALS

PAGE 86

ELF BIOLOGICAL EFFECTS LITERATURE DATABASE

AUTHOR(S): GOODMAN, E.N. GREENEDRAUN, D.

TITLE: A REVIEW OF CELL EFFECTS INDUCED BY EXPOSURE OF EXTREMELY LOW FREQUENCY ELECTROMAGNETIC FIELDS

PUBLICATION DATE: MAY 1985

LANGUAGE:

ABSTRACT:

INDEX NUMBER: 85111

SOURCE: ASSESSMENTS AND VIEWPOINTS ON THE BIOLOGICAL AND HUMAN HEALTH EFFECTS OF EXTREMELY LOW FREQUENCY (ELF) ELECTROMAGNETIC FIELDS; AMERICAN INSTITUTE OF BIOLOGICAL SCIENCES, PP. 155-171

SUBJECT CATEGORIES

END POINTS

SPECIES

AC ELECTRIC FIELDS
AC MAGNETIC FIELDS
UNCONVENTIONAL MAGNETIC FIELDS

BRAIN SYSTEM
CALCIUM EFFLUX
CELL COMMUNICATIONS
CELL SYSTEMS
HUMAN HEALTH
IMMUNOLOGY
MECHANISMS
MITOTIC CYCLE
POPULATION
RESEARCH ASSESSMENT

TISSUE CULTURES

ALL-INCLUSIVE

AUTHOR(S): GOODMAN, E.N. GREENEDRAUN, D.

TITLE: "ELF COMMUNICATIONS SYSTEM ECOLOGICAL MONITORING PROGRAM" THE EFFECT OF EXPOSING THE SLIME MOLD PHYSARUM POLYCEPHALUM TO ELECTROMAGNETIC FIELDS

PUBLICATION DATE: JUNE 1985

LANGUAGE:

ABSTRACT:

INDEX NUMBER: 85129

SOURCE: COMPILATION OF 1984 ANNUAL REPORTS OF THE NAVY ELF COMMUNICATIONS SYSTEM ECOLOGICAL MONITORING PROGRAM, VOL. 1, TAB C, IIT RESEARCH INSTITUTE REPORT ED6549-17

SUBJECT CATEGORIES

END POINTS

SPECIES

AC ELECTRIC FIELDS
AC MAGNETIC FIELDS

ASSESSMENT METHODS
CELL SYSTEMS
ECOLOGICAL STUDIES
ELECTRIC FIELD MEASUREMENTS
MAGNETIC FIELD MEASUREMENTS
MITOTIC CYCLE
RESPIRATION RATE

BACTERIA

PAGE 87 ELF BIOLOGICAL EFFECTS LITERATURE DATABASE

AUTHOR(S): GOODMAN, E.M. MARROW, M.T. GREENEBAUM, B.

TITLE: A PHYSIOLOGICAL AND BIOCHEMICAL STUDY OF THE EFFECTS OF EXTREMELY LOW FREQUENCY ELECTROMAGNETIC FIELDS

PUBLICATION DATE: JULY 1979

LANGUAGE:

ABSTRACT:

INDEX NUMBER: 79003

SOURCE: OFFICE OF NAVAL RESEARCH TECHNICAL REPORT BY UNIVERSITY OF WISCONSIN-PARKSIDE

SUBJECT CATEGORIES	END POINTS	SPECIES
AC ELECTRIC FIELDS	BIOCHEMISTRY	
AC MAGNETIC FIELDS	MITOTIC CYCLE	SOIL ORGANISMS
	PHYSIOLOGY	
	RESPIRATION RATE	

AUTHOR(S): GOODMAN, R. BASSETT, C.A.L. HENDERSON, A.S.

TITLE: SELECTED ELECTROMAGNETIC FIELD EFFECTS ON CELLULAR REGULATORY PROCESSES

PUBLICATION DATE: SEPTEMBER 1982

LANGUAGE:

ABSTRACT: YES

INDEX NUMBER: 82039

SOURCE: TRANSACTIONS OF THE SECOND ANNUAL MEETING OF THE BIOELECTRICAL REPAIR AND GROWTH SOCIETY, P. 42

SUBJECT CATEGORIES	END POINTS	SPECIES
UNSPECIFIED FIELDS	BIOCHEMISTRY	
	CELL SYSTEMS	AQUATIC INSECTS
	DNA	
	GENETICS	
	MECHANISMS	

PAGE 88 ELF BIOLOGICAL EFFECTS LITERATURE DATABASE

AUTHOR(S): GOODMAN, R. HENDERSON, A.

TITLE: ELECTROMAGNETIC FIELDS INDUCE TRANSCRIPTION

PUBLICATION DATE: JUNE 1985

LANGUAGE:

ABSTRACT: YES

INDEX NUMBER: 85013

SOURCE: BIOELECTROMAGNETICS SOCIETY 7TH ANNUAL MEETING

SUBJECT CATEGORIES

END POINTS

SPECIES

UNSPECIFIED FIELDS

BIOCHEMISTRY

AQUATIC INSECTS

AUTHOR(S): GOODMAN, R. HENDERSON, A.S. LUCKER, J. BASSETT, C.A.L.

TITLE: THE EFFECT OF PULSING ELECTROMAGNETIC FIELDS ON TRANSCRIPTION IN POLYENE CHROMOSOMES

PUBLICATION DATE: NOVEMBER 1981

LANGUAGE:

ABSTRACT: YES

INDEX NUMBER: 81023

SOURCE: TRANSACTIONS OF THE FIRST ANNUAL MEETING OF THE BIOELECTRICAL REPAIR AND GROWTH SOCIETY, P. 83

SUBJECT CATEGORIES

END POINTS

SPECIES

UNSPECIFIED FIELDS

BIOCHEMISTRY

CELL SYSTEMS

DNA

AIRBORNE INSECTS

ELF BIOLOGICAL EFFECTS LITERATURE DATABASE

PAGE 89

AUTHOR(S): GOULD, J.L.

TITLE: MAGNETIC FIELD SENSITIVITY IN ANIMALS

PUBLICATION DATE: 1984

LANGUAGE:

ABSTRACT:

INDEX NUMBER: 84033

SOURCE: ANNUAL REVIEW OF PHYSIOLOGY, NO. 46, PP. 585-598

SUBJECT CATEGORIES

GEOMAGNETIC FIELDS

BEHAVIOR
CIRCADIAN RHYTHMS
MIGRATION
ORIENTATION
PERCEPTION

END POINTS

SPECIES

AVIANS
BACTERIA
FISH
POLLINATING INSECTS
SMALL MAMMALS
SOIL ORGANISMS

AUTHOR(S): GRAHAM, C. PHELPS, J.W. COOK, M.R. GERKOVICH, M.M. COHEN, H.D.

TITLE: EFFECTS OF 60-HZ FIELDS ON HUMAN BRAIN ACTIVITY

PUBLICATION DATE: JUNE 1985

LANGUAGE:

ABSTRACT: YES

INDEX NUMBER: 85030

SOURCE: BIOELECTROMAGNETICS SOCIETY 7TH ANNUAL MEETING

SUBJECT CATEGORIES

AC ELECTRIC FIELDS
AC MAGNETIC FIELDS
BRAIN SYSTEM
PSYCHOLOGY

END POINTS

SPECIES

HUMANS

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ELF BIOLOGICAL EFFECTS LITERATURE DATABASE

AUTHOR(S): GRANDOLFO, M. COMBA, P. VECCHIA, P. CHECCUCCI, A. BARONCELLI, P. BATTISTI, S. SERIO, A.

TITLE: CROSS-SECTIONAL SURVEY OF THE HEALTH CONDITIONS OF WORKERS EXPOSED TO 50 HZ ELECTROMAGNETIC FIELDS

PUBLICATION DATE: JUNE 1985

LANGUAGE:

ABSTRACT: YES

INDEX NUMBER: 85054

SOURCE: BIOELECTROMAGNETICS SOCIETY 7TH ANNUAL MEETING

SUBJECT CATEGORIES

AC ELECTRIC FIELDS
AC MAGNETIC FIELDS

BIOCHEMISTRY
CARDIOVASCULAR FUNCTION
EPIDEMIOLOGY
HEART RATE
HUMAN HEALTH
OCCUPATIONAL HEALTH

END POINTS

SPECIES

HUMANS

AUTHOR(S): GRAVES, H. B.

TITLE: DETECTION OF A 60-HZ ELECTRIC FIELD BY PIGEONS

PUBLICATION DATE: 1981

LANGUAGE:

ABSTRACT:

INDEX NUMBER: 81005

SOURCE: BEHAVIORAL AND NEURAL BIOLOGY, NO. 32, PP. 229-234

SUBJECT CATEGORIES

AC ELECTRIC FIELDS

BEHAVIOR
PERCEPTION
PSYCHOLOGY

END POINTS

SPECIES

AVIANS

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ELF BIOLOGICAL EFFECTS LITERATURE DATABASE

AUTHOR(S): GRAVES, H.B.

TITLE: BIOLOGICAL RESPONSES TO EXTREMELY LOW FREQUENCY ELECTROMAGNETIC FIELDS: SOME UNDERLYING HYPOTHESES

PUBLICATION DATE: JUNE 1984

LANGUAGE:

ABSTRACT:

INDEX NUMBER: B4003

SOURCE: U.S. DEPARTMENT OF ENERGY REPORT BY THE AEROSPACE CORPORATION (ATR-84(7045)-1))

SUBJECT CATEGORIES	END POINTS	SPECIES
AC ELECTRIC FIELDS	MECHANISMS	DOMESTIC FOWL
AC MAGNETIC FIELDS	BEHAVIOR	FISH
	BIOCHEMISTRY	HUMANS
	BONE GROWTH/REPAIR	PRIMATES
	BRAIN SYSTEM	SMALL MAMMALS
	CALCIUM EFFLUX	SOIL ORGANISMS
	CELL COMMUNICATIONS	
	CELL SYSTEMS	
	CIRCADIAN RHYTHMS	
	EMBRYOLOGY	
	GROWTH AND DEVELOPMENT	

AUTHOR(S): GRAVES, H.B.

TITLE: SOME BIOLOGICAL EFFECTS OF HIGH INTENSITY, LOW FREQUENCY (60HZ) ELECTRIC FIELDS ON SMALL BIRDS AND MAMMALS

PUBLICATION DATE: JULY 1977

LANGUAGE:

ABSTRACT:

INDEX NUMBER: 77028

SOURCE: IEEE POWER ENGINEERING SOCIETY SUMMER MEETING

SUBJECT CATEGORIES	END POINTS	SPECIES
AC ELECTRIC FIELDS	BEHAVIOR	DOMESTIC FOWL
	BIOCHEMISTRY	SMALL MAMMALS
	EMBRYOLOGY	
	GROWTH AND DEVELOPMENT	
	HEART RATE	
	MECHANISMS	

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ELF BIOLOGICAL EFFECTS LITERATURE DATABASE

AUTHOR(S): GRAVES, H.B.

TITLE: SOME BIOLOGICAL EFFECTS OF HIGH INTENSITY, LOW FREQUENCY (60 HZ) ELECTRIC FIELDS ON SMALL BIRDS AND MAMMALS

PUBLICATION DATE: JUNE 1977

LANGUAGE:

ABSTRACT:

INDEX NUMBER: 77036

SOURCE: SECOND ELECTROMAGNETIC COMPATIBILITY SYMPOSIUM AND TECHNICAL EXHIBIT, PP. 465-468

SUBJECT CATEGORIES

END POINTS

SPECIES

AC ELECTRIC FIELDS

BEHAVIOR

BIOCHEMISTRY

EMBRYOLOGY

GROWTH AND DEVELOPMENT

HEART RATE

MECHANISMS

PERCEPTION

PSYCHOLOGY

AVIANS

DOMESTIC FOWL

SMALL MAMMALS

AUTHOR(S): GRAVES, H.B. LONG, P.D. POZNANIAT, D.

TITLE: BIOLOGICAL EFFECTS OF 60-HZ ALTERNATING-CURRENT FIELDS: A CHESHIRE CAT PHENOMENON?

PUBLICATION DATE: 1979

LANGUAGE:

ABSTRACT:

INDEX NUMBER: 79007

SOURCE: HANFORD LIFE SCIENCES SYMPOSIUM, 18TH DOE SYMPOSIUM, SERIES 50, PP. 184-197

SUBJECT CATEGORIES

END POINTS

SPECIES

AC ELECTRIC FIELDS

BEHAVIOR

BIOCHEMISTRY

EXPOSURE FACILITIES

AVIANS

SMALL MAMMALS

PAGE 93

ELF BIOLOGICAL EFFECTS LITERATURE DATABASE

AUTHOR(S): GREENBERG, B. BINDOKAS, V.P.

TITLE: THE EFFECTS OF HIGH VOLTAGE TRANSMISSION LINES ON HONEY BEES

PUBLICATION DATE: APRIL 1981

LANGUAGE:

ABSTRACT:

INDEX NUMBER: 81002

SOURCE: ELECTRIC POWER RESEARCH INSTITUTE INTERIM REPORT EA-1809 BY BIOCONCERN

SUBJECT CATEGORIES

END POINTS

SPECIES

AC ELECTRIC FIELDS
AC MAGNETIC FIELDS

BEHAVIOR
PHYSIOLOGY

POLLINATING INSECTS

AUTHOR(S): GREENBERG, B. BINDOKAS, V.P. GAUGER, J.R.

TITLE: THE EFFECTS OF HIGH VOLTAGE TRANSMISSION LINES ON HONEYBEES

PUBLICATION DATE: MAY 1985

LANGUAGE:

ABSTRACT:

INDEX NUMBER: 85061

SOURCE: ELECTRIC POWER RESEARCH INSTITUTE REPORT EA-3898 BY BIOCONCERN

SUBJECT CATEGORIES

END POINTS

SPECIES

AC ELECTRIC FIELDS

BEHAVIOR
BODY CURRENT
BODY IMPEDANCE
DOSIMETRY
ELECTRIC SHOCK
MECHANISMS
MORTALITY
PHANTOM MODELS
REPRODUCTION
SHIELDING EFFECT

SPARK DISCHARGE
STEP POTENTIAL

POLLINATING INSECTS

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ELF BIOLOGICAL EFFECTS LITERATURE DATABASE

AUTHOR(S): GREENEBAUM, B. GOODMAN, E.M. MARRON, M.T.

TITLE: CELL SURFACE EFFECTS OF PULSED ELECTROMAGNETIC FIELDS ON PHYSARUM AMOEBAE

PUBLICATION DATE: JUNE 1985

LANGUAGE:

ABSTRACT: YES

INDEX NUMBER: 85039

SOURCE: BIOELECTROMAGNETICS SOCIETY 7TH ANNUAL MEETING

SUBJECT CATEGORIES

END POINTS

SPECIES

UNSPECIFIED FIELDS

CELL SYSTEMS

BACTERIA

102

AUTHOR(S): GREENGARD, P. DOUGLAS, W.W. NAIRN, A.C. NESTLER, E.J. RITCHIE, J.M.

TITLE: EFFECTS OF ELECTROMAGNETIC RADIATION ON CALCIUM IN THE BRAIN

PUBLICATION DATE: JULY 1982

LANGUAGE:

ABSTRACT:

INDEX NUMBER: 82058

SOURCE: USAF SCHOOL OF AEROSPACE MEDICINE REPORT SAM-TR-82-15 BY YALE UNIVERSITY

SUBJECT CATEGORIES

END POINTS

SPECIES

AC ELECTRIC FIELDS

BRAIN SYSTEM

UNSPECIFIED FIELDS

CALCIUM EFFLUX

LITERATURE REVIEW

MECHANISMS

UNSPECIFIED

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ELF BIOLOGICAL EFFECTS LITERATURE DATABASE

AUTHOR(S): GRIFFIN, J.C.

TITLE: THE EFFECTS OF ELF ELECTRIC AND MAGNETIC FIELDS ON ARTIFICIAL CARDIAC PACEMAKERS

PUBLICATION DATE: MAY 1985

LANGUAGE:

ABSTRACT:

INDEX NUMBER: 85112

SOURCE: ASSESSMENTS AND VIEWPOINTS ON THE BIOLOGICAL AND HUMAN HEALTH EFFECTS OF EXTREMELY LOW FREQUENCY (ELF) ELECTROMAGNETIC FIELDS; AMERICAN INSTITUTE OF BIOLOGICAL SCIENCES, PP. 173-182

SUBJECT CATEGORIES

END POINTS

SPECIES

AC ELECTRIC FIELDS

BODY CURRENT

CARDIAC PACEMAKERS

HUMANS

HUMAN HEALTH

PRIMATES

OCCUPATIONAL HEALTH

RESEARCH ASSESSMENT

AUTHOR(S): GRIGORIEVA, V.D. TSARFIS, P.G. GERASIMENKO, V.M. FIVEISKAYA, A.A. SHUBINA, A.V. PROSKUROVA, G.I. VOLKOVA, L.O.

TITLE: USE OF A LOW-FREQUENCY PERMANENT MAGNETIC FIELD IN PATIENT WITH DEFORMING OSTEOARTHRITIS AND RHEUMATOID ARTHRITIS

PUBLICATION DATE: 1980

LANGUAGE: RUSSIAN

ABSTRACT: ENGLISH

INDEX NUMBER: 80011

SOURCE: VOPROSY KURORTOLOGII, FIZIOTERAPII I LECHENIIO FIZICHESKOI KUL NO. 4, PP. 29-35

SUBJECT CATEGORIES

END POINTS

SPECIES

AC MAGNETIC FIELDS

BIOCHEMISTRY

CLINICAL MEDICINE

IMMUNOLOGY

PHYSIOLOGY

HUMANS

PAGE 96

ELF BIOLOGICAL EFFECTS LITERATURE DATABASE

AUTHOR(S): GRISSETT, J.D. KUPPER, J.L. KESSLER, M.J. BROWN, R.J. PRETTYMAN, S.D. COOK, L.L. GRINER, T.A.

TITLE: EXPOSURE OF PRIMATES TO ONE YEAR TO ELECTRIC AND MAGNETIC FIELDS ASSOCIATED WITH ELF COMMUNICATIONS SYSTEMS

PUBLICATION DATE: NOVEMBER 1977

LANGUAGE:

ABSTRACT:

INDEX NUMBER: 77009

SOURCE: NAVAL AEROSPACE MEDICAL RESEARCH LABORATORY REPORT NAMRL-1240

SUBJECT CATEGORIES

END POINTS

SPECIES

AC ELECTRIC FIELDS
AC MAGNETIC FIELDS

BIOCHEMISTRY
EXPOSURE FACILITIES
GROWTH AND DEVELOPMENT
VETERINARY MEDICINE

PRIMATES

AUTHOR(S): GURKA, A.V.

TITLE: METHOD OF TREATMENT OF OBLITERATING DISEASES OF EXTREMITIES ARTERIES BY APPLICATION OF "RUNNING" VARIABLE MAGNETIC FIELD

PUBLICATION DATE: OCTOBER 1983

LANGUAGE: RUSSIAN

ABSTRACT: ENGLISH

INDEX NUMBER: 83008

SOURCE: KLINICHESKAYA KHIRURGIYA, NO.10, PP. 70-71

SUBJECT CATEGORIES

END POINTS

SPECIES

UNCONVENTIONAL MAGNETIC FIELDS
CLINICAL MEDICINE

HUMANS

ELF BIOLOGICAL EFFECTS LITERATURE DATABASE

PAGE 97

AUTHOR(S): GUNDERSEN, R. GREENEBAUM, R.

TITLE: LOW VOLTAGE ELF ELECTRIC FIELD MEASUREMENTS IN IONIC MEDIA

PUBLICATION DATE: 1985

LANGUAGE:

ABSTRACT:

INDEX NUMBER: 85009

SOURCE: BIOELECTROMAGNETICS, VOL. 6, PP. 157-168

SUBJECT CATEGORIES

AC ELECTRIC FIELDS

INSTRUMENTATION
MEASUREMENT METHODS
TISSUE CULTURES

END POINTS

SPECIES

UNSPECIFIED

105

AUTHOR(S): GUNDERSEN, R. GREENEBAUM, R.

TITLE: THE EFFECTS OF ELF MAGNETIC FIELDS ON SYNAPTIC FUNCTION

PUBLICATION DATE: JUNE 1985

LANGUAGE:

ABSTRACT: YES

INDEX NUMBER: 85040

SOURCE: BIOELECTROMAGNETICS SOCIETY 7TH ANNUAL MEETING

SUBJECT CATEGORIES

AC MAGNETIC FIELDS

TISSUE CULTURES

END POINTS

SPECIES

SMALL MAMMALS

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ELF BIOLOGICAL EFFECTS LITERATURE DATABASE

AUTHOR(S): GUSTAFSON, R.J. ALBERTSON, V.D.

TITLE: NEUTRAL-TO-EARTH VOLTAGE AND GROUND CURRENT EFFECTS IN LIVESTOCK FACILITIES

PUBLICATION DATE: JULY 1982

LANGUAGE:

ABSTRACT:

INDEX NUMBER: 82082

SOURCE: IEEE TRANSACTIONS ON POWER APPARATUS AND SYSTEMS, VOL. PAS-101, NO. 7, PP. 2090-2095

SUBJECT CATEGORIES

AC ELECTRIC FIELDS
AC MAGNETIC FIELDS

INDUCTIVE COUPLING
MILK PRODUCTION
PERCEPTION

END POINTS

SPECIES

LIVESTOCK

AUTHOR(S): GUY, A.W. DAVIDOW, G.S. YANG, G.Y. CHOU, C.K.

TITLE: DETERMINATION OF ELECTRIC CURRENT DISTRIBUTIONS IN ANIMALS AND HUMANS EXPOSED TO A UNIFORM 60 HZ HIGH-INTENSITY ELECTRIC FIELD

PUBLICATION DATE: AUGUST 1981

LANGUAGE:

ABSTRACT: YES

INDEX NUMBER: 81007

SOURCE: INTERNATIONAL UNION OF RADIO SCIENCE, 20TH GENERAL ASSEMBLY, P. 7

SUBJECT CATEGORIES

AC ELECTRIC FIELDS

CURRENT DENSITY
DOSIMETRY
MEASUREMENT METHODS
MODELING
PHANTOM MODELS
SCALING FACTORS

END POINTS

SPECIES

HUMANS
LIVESTOCK

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ELF BIOLOGICAL EFFECTS LITERATURE DATABASE

AUTHOR(S): HAIMOVICI, N.

TITLE: INFLUENCE OF THE REFORMATION OF BONE TISSUE BY MEANS OF LOW-FREQUENCY PULSED MAGNETIC FIELDS

PUBLICATION DATE: 1982

LANGUAGE:

ABSTRACT:

INDEX NUMBER: 82065

SOURCE: BIOMEDICAL TECHNOLOGY, PP. 247-255

SUBJECT CATEGORIES

UNCONVENTIONAL MAGNETIC FIELDS

BONE GROWTH/REPAIR
CLINICAL MEDICINE

END POINTS

SPECIES

HUMANS

AUTHOR(S): HAINSWORTH, L.B.

TITLE: THE EFFECT OF GEOPHYSICAL PHENOMENA ON HUMAN HEALTH

PUBLICATION DATE: 1983

LANGUAGE:

ABSTRACT:

INDEX NUMBER: 83021

SOURCE: SPECULATIONS IN SCIENCE AND TECHNOLOGY, VOL. 6, NO. 5, PP. 439-444

SUBJECT CATEGORIES

ATMOSPHERIC FIELDS
GEOMAGNETIC FIELDS

MECHANISMS

END POINTS

SPECIES

UNSPECIFIED

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ELF BIOLOGICAL EFFECTS LITERATURE DATABASE

AUTHOR(S): HANLEY, K.J. NORTON, L.A. RODAN, G.A.

TITLE: THE EFFECTS OF PULSED ELECTROMAGNETIC FIELDS UPON PERIOSTEAL AND OSTEOBLAST-LIKE CELLS GROWN IN CULTURE

PUBLICATION DATE: SEPTEMBER 1982

LANGUAGE:

ABSTRACT: YES

INDEX NUMBER: 82021

SOURCE: TRANSACTIONS OF THE SECOND ANNUAL MEETING OF THE BIOELECTRICAL REPAIR AND GROWTH SOCIETY, P. 46

SUBJECT CATEGORIES

END POINTS

SPECIES

UNSPECIFIED FIELDS

CELL SYSTEMS
DNA

UNSPECIFIED

AUTHOR(S): HANSL, G. RIEDL, H. MOSE, J.R. FISCHER, G.

TITLE: EFFECT OF ELECTRIC FIELDS ON PERFORMANCE AND EFFECT IN HEALTHY PROBANDS

PUBLICATION DATE: 1984

LANGUAGE:

ABSTRACT:

INDEX NUMBER: 84060

SOURCE: Z. EXP. ANGEW. PSYCHOLOGY, VOL. 31, NO. 4, PP. 567-585

SUBJECT CATEGORIES

END POINTS

SPECIES

AC ELECTRIC FIELDS

AESTHETIC SYNDROME
PSYCHOLOGY

HUMANS

ELF BIOLOGICAL EFFECTS LITERATURE DATABASE

PAGE 101

AUTHOR(S): HARRINGTON, D. WALTER, J. WALTER, T. CHEN, T. RODAMER, W. BLACK, D.

TITLE: THE EFFICACY OF ELECTRICAL STIMULATION ON EXPERIMENTALLY INDUCED NON-UNION FRACTURE OF THE CANINE TIBIA

PUBLICATION DATE: SEPTEMBER 1982

LANGUAGE:

ABSTRACT: YES

INDEX NUMBER: 82051

SOURCE: TRANSACTIONS OF THE SECOND ANNUAL MEETING OF THE BIOELECTRICAL REPAIR AND GROWTH SOCIETY, P. 84

SUBJECT CATEGORIES

END POINTS

SPECIES

UNSPECIFIED FIELDS

BIOCHEMISTRY
BONE GROWTH/REPAIR

CANINES

AUTHOR(S): HARRISON, M.H.M. BASSETT, C.A.L.

TITLE: USE OF PULSED ELECTROMAGNETIC FIELDS IN PERTHES DISEASE: REPORT OF A PILOT STUDY

PUBLICATION DATE: SEPTEMBER 1984

LANGUAGE:

ABSTRACT:

INDEX NUMBER: 84061

SOURCE: JOURNAL OF PEDIATRIC ORTHOPEDICS, VOL. 4, NO. 5, PP. 579-594

SUBJECT CATEGORIES

END POINTS

SPECIES

UNCONVENTIONAL MAGNETIC FIELDS

BONE GROWTH/REPAIR
CLINICAL MEDICINE

HUMANS

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ELF BIOLOGICAL EFFECTS LITERATURE DATABASE

AUTHOR(S): HART, F.I. MARTINO, A.A.

TITLE: ENERGY FLUX ALONG HIGH VOLTAGE TRANSMISSION LINES

PUBLICATION DATE: SEPTEMBER 1977

LANGUAGE:

ABSTRACT:

INDEX NUMBER: 77029

SOURCE: IEEE TRANSACTIONS ON BIOMEDICAL ENGINEERING, VOL. BME-24, NO. 5, PP. 493-495

SUBJECT CATEGORIES

END POINTS

SPECIES

AC ELECTRIC FIELDS
AC MAGNETIC FIELDS

FIELD EQUATIONS

UNSPECIFIED

AUTHOR(S): HARVEY, S.M.

TITLE: ELECTRIC-FIELD EXPOSURE OF PERSONS USING VIDEO DISPLAY UNITS

PUBLICATION DATE: 1984

LANGUAGE:

ABSTRACT:

INDEX NUMBER: 84062

SOURCE: BIOELECTROMAGNETICS, VOL. 5, PP. 1-12

SUBJECT CATEGORIES

END POINTS

SPECIES

AC ELECTRIC FIELDS

APPLIANCE FIELDS
OCCUPATIONAL HEALTH
PHANTOM MODELS

HUMANS

AUTHOR(S): HAUF, R.

TITLE: NEW STUDIES ON THE EFFECT OF ELECTROMAGNETIC FIELDS ON MAN

PUBLICATION DATE: 1977

LANGUAGE: GERMAN

ABSTRACT:

INDEX NUMBER: 77041

SOURCE: MEDIZINAL-MARKT, VOL. 15, PP. 75-77

SUBJECT CATEGORIES	END POINTS	SPECIES
AC ELECTRIC FIELDS AC MAGNETIC FIELDS	BEHAVIOR BODY CURRENT PSYCHOLOGY	HUMANS

AUTHOR(S): HAUPT, H.A.

TITLE: ELECTRICAL STIMULATION OF OSTEOGENESIS

PUBLICATION DATE: JANUARY 1984

LANGUAGE:

ABSTRACT:

INDEX NUMBER: 84063

SOURCE: SOUTHERN MEDICAL JOURNAL, VOL. 77, NO. 1, PP. 56-64

SUBJECT CATEGORIES	END POINTS	SPECIES
UNCONVENTIONAL MAGNETIC FIELDS	BONE GROWTH/REPAIR CLINICAL MEDICINE	HUMANS

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ELF BIOLOGICAL EFFECTS LITERATURE DATABASE

AUTHOR(S): HELLMAN, K.B. FOWLER, A.K. HELLMAN, A. SWICORD, M.L.

TITLE: THE EFFECT OF ELECTROMAGNETIC FIELDS ON LYMPHOCYTE FUNCTION: ENHANCEMENT OF MITOGENIC STIMULATION

PUBLICATION DATE: JUNE 1985

LANGUAGE:

ABSTRACT: YES

INDEX NUMBER: 85016

SOURCE: BIOELECTROMAGNETICS SOCIETY 7TH ANNUAL MEETING

SUBJECT CATEGORIES

UNCONVENTIONAL MAGNETIC FIELDS

BIOCHEMISTRY
CELL SYSTEMS
IMMUNOLOGY

END POINTS

SPECIES

SMALL MAMMALS

AUTHOR(S): HERROLD, J.E.

TITLE: HEALTH AND SAFETY EFFECTS OF EMV ELECTRIC TRANSMISSION LINES: A REVIEW OF THE LITERATURE

PUBLICATION DATE: APRIL 1979

LANGUAGE:

ABSTRACT:

INDEX NUMBER: 79011

SOURCE: MICHIGAN PUBLIC SERVICE COMMISSION

SUBJECT CATEGORIES

AC ELECTRIC FIELDS
AC MAGNETIC FIELDS

BEHAVIOR
BIOCHEMISTRY
CARDIAC PACEMAKERS
CELL SYSTEMS
CLINICAL MEDICINE
ELECTRIC SHOCK
EXPOSURE STANDARDS
FERTILITY
GENETICS
LITERATURE REVIEW

END POINTS

MITOTIC CYCLE
OCCUPATIONAL HEALTH
ORIENTATION
PHYSIOLOGY
PSYCHOLOGY
REPRODUCTION

SPECIES

AVIANS
DOMESTIC FOWL
FISH
HUMANS
LIVESTOCK
POLLINATING INSECTS
SMALL MAMMALS
SOIL ORGANISMS

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ELF BIOLOGICAL EFFECTS LITERATURE DATABASE

AUTHOR(S): HINSENKAMP, M. RYABY, J. BURNY, F.

TITLE: ELECTROMAGNETIC TREATMENT OF NON-UNION: A EUROPEAN MULTICENTER STUDY

PUBLICATION DATE: SEPTEMBER 1982

LANGUAGE:

ABSTRACT: YES

INDEX NUMBER: 82045

SOURCE: TRANSACTIONS OF THE SECOND ANNUAL MEETING OF THE BIOELECTRICAL REPAIR AND GROWTH SOCIETY, P. 62

SUBJECT CATEGORIES

END POINTS

SPECIES

UNSPECIFIED FIELDS

BONE GROWTH/REPAIR
CLINICAL MEDICINE

HUMANS

=====

AUTHOR(S): HISS, E.

TITLE: TECHNICAL DATA ON MAGNETIC FIELD THERAPY

PUBLICATION DATE: APRIL 1984

LANGUAGE: GERMAN

ABSTRACT:

INDEX NUMBER: 84091

SOURCE: ORTHOPAED, VOL. 13, NO. 2, PP. 93-96

SUBJECT CATEGORIES

END POINTS

SPECIES

UNCONVENTIONAL MAGNETIC FIELDS

BONE GROWTH/REPAIR
CLINICAL MEDICINE

HUMANS

ELF BIOLOGICAL EFFECTS LITERATURE DATABASE

PAGE 106

AUTHOR(S): WOLT, G.L.

TITLE: EVALUATION OF RESPONSES OF ELECTRICAL UTILITY COMPANIES TO ELECTROMAGNETIC RADIATION QUESTIONNAIRE

PUBLICATION DATE: 1979

LANGUAGE:

ABSTRACT:

INDEX NUMBER: 79008

SOURCE: HANFORD LIFE SCIENCES SYMPOSIUM, 18TH DOE SYMPOSIUM, SERIES 50, PP. 38-41

SUBJECT CATEGORIES

END POINTS

SPECIES

AC ELECTRIC FIELDS

OCCUPATIONAL HEALTH

HUMANS

AUTHOR(S): HOLZMAN, D.

TITLE: COMMUNITIES FIGHT HIGH VOLTAGE LINES

PUBLICATION DATE: MARCH 1978

LANGUAGE:

ABSTRACT:

INDEX NUMBER: 78003

SOURCE: PEOPLE & ENERGY

SUBJECT CATEGORIES

END POINTS

SPECIES

AC ELECTRIC FIELDS

EXPOSURE STANDARDS
PUBLIC HEALTH

HUMANS

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ELF BIOLOGICAL EFFECTS LITERATURE DATABASE

AUTHOR(S): HU, C-L, J. BARNES, F.S.

TITLE: NONLINEAR IMPEDANCE AND LOW-FREQUENCY DISPERSION EFFECTS OF A POLYELECTROLYTE UNDER HIGH SINUSOIDAL FIELDS

PUBLICATION DATE: 1981

LANGUAGE:

ABSTRACT:

INDEX NUMBER: B1006

SOURCE: AMERICAN CHEMICAL SOCIETY, BIOLOGICAL EFFECTS OF NONIONIZING RADIATION, CHAPTER 15, PP. 256-270

SUBJECT CATEGORIES

AC ELECTRIC FIELDS

CELL SYSTEMS
MEASUREMENT METHODS
MECHANISMS

END POINTS

SPECIES

UNSPECIFIED

AUTHOR(S): IERUSALIMSKII, A.P. LIVSHITS, A.I. PORTNOV, F.G. SHMIDT, A.B.

TITLE: EXTRAPOLATION OF ELECTROSTATIC FIELD VALUES FROM ANIMAL STUDIES TO MAN

PUBLICATION DATE: JANUARY 1985

LANGUAGE: RUSSIAN

ABSTRACT:

INDEX NUMBER: B5081

SOURCE: GITB. SANIT. NO. 1, P. 89

SUBJECT CATEGORIES

AC ELECTRIC FIELDS

FIELD EQUATIONS
SCALING FACTORS

END POINTS

SPECIES

HUMANS

PAGE 108 ELF BIOLOGICAL EFFECTS LITERATURE DATABASE

AUTHOR(S): INKIS, M.V.

TITLE: DEMONSTRATIONS TO PUBLIC OF EMV TRANSMISSION LINE EFFECTS

PUBLICATION DATE: JULY 1977

LANGUAGE:

ABSTRACT:

INDEX NUMBER: 77030

SOURCE: IEEE POWER ENGINEERING SOCIETY SUMMER MEETING, PAPER F 77 549-9

SUBJECT CATEGORIES

AC ELECTRIC FIELDS
INDUCTIVE COUPLING

END POINTS

SPECIES

HUMANS

AUTHOR(S): IRNICH, M.

TITLE: INTERFERENCE IN PACEMAKERS

PUBLICATION DATE: NOV-DECEMBER 1984

LANGUAGE:

ABSTRACT:

INDEX NUMBER: 84065

SOURCE: PACE, VOL. 7, PART 1, PP. 1021-1048

SUBJECT CATEGORIES

AC MAGNETIC FIELDS
UNCONVENTIONAL MAGNETIC FIELDS
APPLIANCE FIELDS
CARDIAC PACEMAKERS
INDUCTIVE COUPLING

END POINTS

SPECIES

HUMANS

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ELF BIOLOGICAL EFFECTS LITERATURE DATABASE

AUTHOR(S): JACKSON, S.F. HICKMAN, J. MURRAY, C.

TITLE: EFFECTS OF PULSED MAGNETIC FIELDS ON ACUTE TENDON INJURIES

PUBLICATION DATE: JUNE 1985

LANGUAGE:

ABSTRACT: YES

INDEX NUMBER: 85015

SOURCE: BIOELECTROMAGNETICS SOCIETY 7TH ANNUAL MEETING

SUBJECT CATEGORIES

UNCONVENTIONAL MAGNETIC FIELDS

CALCIUM EFFLUX

TISSUE CULTURES

VETERINARY MEDICINE

END POINTS

SPECIES

LIVESTOCK

AUTHOR(S): JACOBSON, P.D. DIETRICH, F.M.

TITLE: MEASUREMENTS OF TRANSMISSION LINE ELECTRIC FIELDS IN A RESIDENTIAL ENVIRONMENT

PUBLICATION DATE: AUGUST 1984

LANGUAGE:

ABSTRACT:

INDEX NUMBER: 84013

SOURCE: IEEE TRANSACTIONS ON POWER APPARATUS AND SYSTEMS, VOL. PAS-103, NO. 8, PP. 2237-2243

SUBJECT CATEGORIES

AC ELECTRIC FIELDS

ELECTRIC FIELD MEASUREMENTS

MEASUREMENT METHODS

SHIELDING EFFECT

END POINTS

SPECIES

HUMANS

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ELF BIOLOGICAL EFFECTS LITERATURE DATABASE

AUTHOR(S): JERABEK, J.

TITLE: PULSE MAGNETIC FIELDS IN DIFFERENT ALBIC CONDITIONS OF THE LOCOMOTOR APPARATUS

PUBLICATION DATE: OCTOBER 1981

LANGUAGE: CZECH

ABSTRACT: ENGLISH

INDEX NUMBER: 81028

SOURCE: CASOPIS/LEKARV CESKYCH VOL. 120, NO. 42, PP. 1277-1279

SUBJECT CATEGORIES

END POINTS

SPECIES

UNCONVENTIONAL MAGNETIC FIELDS

CLINICAL MEDICINE

HUMANS

AUTHOR(S): JOHNSON, D.E. RODAN, G.A.

TITLE: THE EFFECT OF PULSATING ELECTROMAGNETIC FIELDS ON PROSTAGLANDIN SYNTHESIS IN OSTEOBLAST-LIKE CELLS

PUBLICATION DATE: SEPTEMBER 1982

LANGUAGE:

ABSTRACT: YES

INDEX NUMBER: 82031

SOURCE: TRANSACTIONS OF THE SECOND ANNUAL MEETING OF THE BIOELECTRICAL REPAIR AND GROWTH SOCIETY, P. 7

SUBJECT CATEGORIES

END POINTS

SPECIES

UNSPECIFIED FIELDS

BIOCHEMISTRY
CELL SYSTEMS

SMALL MAMMALS

ELF BIOLOGICAL EFFECTS LITERATURE DATABASE

PAGE 111

AUTHOR(S): JOINES, W.T.

TITLE: FREQUENCY-DEPENDENT ABSORPTION OF ELECTROMAGNETIC ENERGY IN BIOLOGICAL TISSUE

PUBLICATION DATE: JANUARY 1984

LANGUAGE:

ABSTRACT:

INDEX NUMBER: 84018

SOURCE: IEEE TRANSACTIONS ON BIOMEDICAL ENGINEERING, VOL. BME-31, NO. 1, PP. 17-20

SUBJECT CATEGORIES

AC ELECTRIC FIELDS

FIELD EQUATIONS

END POINTS

SPECIES

HUMANS

AUTHOR(S): JOLLEY, W.B. KNIERIM, K. HAMM, J.M. HINSHAW, D.B.

TITLE: EFFECT OF PULSED ELECTROMAGNETIC FIELDS ON CELLULAR INFILTRATION AND COLLAGEN FORMATION IN IMPLANTED VISCOSE SPONGES

PUBLICATION DATE: SEPTEMBER 1982

LANGUAGE:

ABSTRACT: YES

INDEX NUMBER: 82017

SOURCE: TRANSACTIONS OF THE SECOND ANNUAL MEETING OF THE BIOELECTRICAL REPAIR AND GROWTH SOCIETY, P. 32

SUBJECT CATEGORIES

UNCONVENTIONAL MAGNETIC FIELDS

CELL SYSTEMS

CURRENT DENSITY

END POINTS

SPECIES

SMALL MAMMALS

PAGE 112 ELF BIOLOGICAL EFFECTS LITERATURE DATABASE

AUTHOR(S): JONES, D.B.

TITLE: THE EFFECT OF PULSED MAGNETIC FIELDS ON CAMP METABOLISM IN CHICK EMBRYO TIBIAE

PUBLICATION DATE: SEPTEMBER 1982

LANGUAGE:

ABSTRACT: YES

INDEX NUMBER: 82035

SOURCE: TRANSACTIONS OF THE SECOND ANNUAL MEETING OF THE BIOELECTRICAL REPAIR AND GROWTH SOCIETY, P. 29

SUBJECT CATEGORIES

END POINTS

SPECIES

UNSPECIFIED FIELDS

CALCIUM FLUX
DNA
METABOLISM

UNSPECIFIED

AUTHOR(S): JUENERHAM, F.B.

TITLE: QUASAR EARTH

PUBLICATION DATE: APRIL 1985

LANGUAGE:

ABSTRACT:

INDEX NUMBER: 85007

SOURCE: RESEARCH AND DEVELOPMENT MAGAZINE, P. 17

SUBJECT CATEGORIES

END POINTS

SPECIES

UNSPECIFIED FIELDS

CELL SYSTEMS
CIRCADIAN RHYTHMS
LITERATURE REVIEW

HUMANS

ELF BIOLOGICAL EFFECTS LITERATURE DATABASE

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AUTHOR(S): KAHANOVITZ, M. ARMOCZY, S.P. HULSE, D. SHIRES, P.K.

TITLE: THE EFFECT OF POSTOPERATIVE ELECTROMAGNETIC PULSING ON CANINE POSTERIOR SPINAL FUSIONS

PUBLICATION DATE: APRIL 1984

LANGUAGE:

ABSTRACT:

INDEX NUMBER: 84066

SOURCE: SPINE, VOL. 9, NO. 3, PP. 273-279

SUBJECT CATEGORIES

END POINTS

SPECIES

UNCONVENTIONAL MAGNETIC FIELDS

BONE GROWTH/REPAIR

CANINES

AUTHOR(S): KALUZHNYY, V.F.

TITLE: THE INFLUENCE OF THE ELECTRIC FIELD OF THE ELECTRIC TRANSMISSION LINES ON THE EMPLOYEES

PUBLICATION DATE: 1977

LANGUAGE: RUSSIAN

ABSTRACT: ENGLISH

INDEX NUMBER: 77018

SOURCE: ELEKTROSVIAZ NO. 3, PP. 30-34

SUBJECT CATEGORIES

END POINTS

SPECIES

AC ELECTRIC FIELDS

EXPOSURE STANDARDS

FIELD EQUATIONS

OCCUPATIONAL HEALTH

HUMANS

ELF BIOLOGICAL EFFECTS LITERATURE DATABASE

PAGE 114

AUTHOR(S): KAUNE, M.T.

TITLE: A PROTOTYPE SYSTEM FOR EXPOSING SMALL LABORATORY ANIMALS TO 60-HZ VERTICAL ELECTRIC FIELDS: ELECTRICAL MEASUREMENTS

PUBLICATION DATE: 1979

LANGUAGE:

ABSTRACT:

INDEX NUMBER: 79012

SOURCE: HANFORD LIFE SCIENCES SYMPOSIUM, 18TH DOE SYMPOSIUM SERIES 50, PP. 115-249

SUBJECT CATEGORIES

END POINTS

SPECIES

AC ELECTRIC FIELDS

EXPOSURE FACILITIES

SMALL MAMMALS

122

AUTHOR(S): KAUNE, M.T.

TITLE: COUPLING OF LIVING ORGANISMS TO ELF ELECTRIC AND MAGNETIC FIELDS

PUBLICATION DATE: MARCH 1985

LANGUAGE:

ABSTRACT:

INDEX NUMBER: 85087

SOURCE: BIOLOGICAL AND HUMAN HEALTH EFFECTS OF EXTREMELY LOW FREQUENCY ELECTROMAGNETIC FIELDS; AMERICAN INSTITUTE OF BIOLOGICAL SCIENCES, CHAPTER 2

SUBJECT CATEGORIES

END POINTS

SPECIES

AC ELECTRIC FIELDS

BODY-GROUND IMPEDANCE

STEP POTENTIAL

HUMANS

AC MAGNETIC FIELDS

BODY SURFACE FIELD

SMALL MAMMALS

CALCIUM EFFLUX

CURRENT DENSITY

DOSIMETRY

FIELD EQUATIONS

INTERNAL FIELDS

MODELING

PHANTOM MODELS

SCALING FACTORS

SOIL ORGANISMS

PAGE 115

ELF BIOLOGICAL EFFECTS LITERATURE DATABASE

AUTHOR(S): KAUNE, W.T. ALLEN, C.H. BEAVER, J.L. GILLIS, M.F. MILLER, M.C. PHILLIPS, R.D.

TITLE: A SYSTEM FOR THE EXPOSURE OF MINIATURE SWINE TO 60-HZ VERTICAL ELECTRIC FIELDS: CURRENT STATUS

PUBLICATION DATE: 1979

LANGUAGE:

ABSTRACT:

INDEX NUMBER: 79006

SOURCE: HAMFORD LIFE SCIENCES SYMPOSIUM, 18TH DOE SYMPOSIUM, SERIES 50, PP. 363-378

SUBJECT CATEGORIES	END POINTS	SPECIES
AC ELECTRIC FIELDS	EXPOSURE FACILITIES PHANTOM MODELS	LIVESTOCK

AUTHOR(S): KAUNE, W.T. FRAZIER, M.E. KING, A.J. SAMUEL, J.E. HUNGATE, F.P. CAUSEY, S.C.

TITLE: SYSTEM FOR THE EXPOSURE OF CELL SUSPENSIONS TO POWER-FREQUENCY ELECTRIC FIELDS

PUBLICATION DATE: 1984

LANGUAGE:

ABSTRACT:

INDEX NUMBER: 84006

SOURCE: BIOELECTROMAGNETICS, NO. 5, PP. 117-129

SUBJECT CATEGORIES	END POINTS	SPECIES
AC ELECTRIC FIELDS AC MAGNETIC FIELDS	CELL SYSTEMS EXPOSURE FACILITIES	UNSPECIFIED

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ELF BIOLOGICAL EFFECTS LITERATURE DATABASE

AUTHOR(S): KAUNE, W.T. HILTON, D.I. PIERCE, T.A. MILLER, M.C. CREIN, J.A.

TITLE: SPARK DISCHARGES IN ELECTRIC-FIELD EXPOSURE SYSTEMS

PUBLICATION DATE: NOVEMBER 1982

LANGUAGE:

ABSTRACT: YES

INDEX NUMBER: 82060

SOURCE: U.S. DEPARTMENT OF ENERGY CONTRACTORS REVIEW

SUBJECT CATEGORIES

END POINTS

SPECIES

AC ELECTRIC FIELDS

BIOCHEMISTRY

BODY-GROUND IMPEDANCE

FOOD/WATER INTAKE

SPARK DISCHARGE

SMALL MAMMALS

AUTHOR(S): KAUNE, W.T. MCCREARY, F.A.

TITLE: NUMERICAL CALCULATION AND MEASUREMENT OF 60-HZ CURRENT DENSITIES INDUCED IN AN UPRIGHT GROUNDED CYLINDER

PUBLICATION DATE: JUNE 1985

LANGUAGE:

ABSTRACT: YES

INDEX NUMBER: 85059

SOURCE: BIOELECTROMAGNETICS SOCIETY 7TH ANNUAL MEETING

SUBJECT CATEGORIES

END POINTS

SPECIES

AC ELECTRIC FIELDS

CURRENT DENSITY
MODELING

UNSPECIFIED

PAGE 117

ELF BIOLOGICAL EFFECTS LITERATURE DATABASE

AUTHOR(S): KAUNE, W.T. MILLER, W.C.

TITLE: SHORT-CIRCUIT CURRENTS, SURFACE ELECTRIC FIELDS, AND AXIAL CURRENT DENSITIES FOR GUINEA PIGS EXPOSED TO ELF ELECTRIC FIELDS

PUBLICATION DATE: 1984

LANGUAGE:

ABSTRACT:

INDEX NUMBER: 84067

SOURCE: BIOELECTROMAGNETICS, VOL. 5, PP. 361-364

SUBJECT CATEGORIES

AC ELECTRIC FIELDS

BODY CURRENT
BODY SURFACE FIELD
CURRENT DENSITY
INTERNAL FIELDS

END POINTS

SPECIES

SMALL MAMMALS

AUTHOR(S): KAVET, R.

TITLE: BIOLOGICAL EFFECTS OF ELECTRIC FIELDS: EPRI'S ROLE

PUBLICATION DATE: JULY 1982

LANGUAGE:

ABSTRACT:

INDEX NUMBER: 82001

SOURCE: IEEE TRANSACTIONS ON POWER APPARATUS AND SYSTEMS, VOL. PAS 101, NO. 7, PP. 2115-2121

SUBJECT CATEGORIES

AC ELECTRIC FIELDS

BEHAVIOR
CARDIAC PACEMAKERS
EMBRYOLOGY
ENDOCRINOLOGY
FERTILITY
GENETICS
GROWTH AND DEVELOPMENT
LITERATURE REVIEW
OCCUPATIONAL HEALTH

END POINTS

SPECIES

CROPS
DOMESTIC FOWL
GRASSES
HUMANS
LIVESTOCK
POLLINATING INSECTS
SMALL MAMMALS

PAGE 1.3 ELF BIOLOGICAL EFFECTS LITERATURE DATABASE

AUTHOR(S): KHOLODOV, I.
 TITLE: ORGANISM AND MAGNETIC FIELD
 PUBLICATION DATE: APRIL-MAY 1982
 SOURCE: USPEVHI FIZICHESIKH NAUK VOL. 13, NO. 2, PP. 48-64
 LANGUAGE: RUSSIAN
 ABSTRACT: ENGLISH
 INDEX NUMBER: 82069

SUBJECT CATEGORIES	END POINTS	SPECIES
UNSPECIFIED FIELDS	LITERATURE REVIEW	UNSPECIFIED

AUTHOR(S): KHOMYAKOV, A.M.

TITLE: SPECIAL CLOTHING FOR PROTECTION OF PERSONNEL AT 400-750 KV ELECTRIC INSTALLATIONS FROM THE EFFECT OF AN INDUSTRIAL FREQUENCY ELECTRIC FIELD
 PUBLICATION DATE: 1979
 SOURCE: EMERSETIK, NO. 8, PP. 32-34
 LANGUAGE: RUSSIAN
 ABSTRACT: ENGLISH
 INDEX NUMBER: 79017

SUBJECT CATEGORIES	END POINTS	SPECIES
AC ELECTRIC FIELDS	EXPOSURE STANDARDS PROTECTIVE CLOTHING	HUMANS

PAGE 119 ELF BIOLOGICAL EFFECTS LITERATURE DATABASE

AUTHOR(S): KIMURA, Y. FUJIMURA, M. IYEGAMI, A.

TITLE: ANISOTROPIC ELECTRIC PROPERTIES OF PURPLE MEMBRANE AND THEIR CHANGE DURING THE PHOTOREACTION CYCLE

PUBLICATION DATE: MARCH 1984

LANGUAGE:

ABSTRACT:

INDEX NUMBER: 84035

SOURCE: BIOPHYSICAL JOURNAL, VOL. 45, PP. 615-625

SUBJECT CATEGORIES

END POINTS

SPECIES

UNCONVENTIONAL ELECTRIC FIELDS

CELL SYSTEMS
MECHANISMS
ORIENTATION

BACTERIA

AUTHOR(S): KISLOVSKII, L.D.

TITLE: BIOLOGICAL SYSTEM REACTION TO ADEQUATE AND WEAK LOW-FREQUENCY ELECTROMAGNETIC FIELD

PUBLICATION DATE: 1982

LANGUAGE: RUSSIAN

ABSTRACT: ENGLISH

INDEX NUMBER: 82071

SOURCE: PROBLEMY KOSMECHESKOI BIOLOGII, NO. 43, PP. 148-166

SUBJECT CATEGORIES

END POINTS

SPECIES

AC MAGNETIC FIELDS

MECHANISMS

UNSPECIFIED

ELF BIOLOGICAL EFFECTS LITERATURE DATABASE

PAGE 120

AUTHOR(S): KLEIN, K.W.

TITLE: HIGH VOLTAGE ELECTRICAL FIELDS: DANGEROUS TO LIVING TISSUES

PUBLICATION DATE: AUGUST 1984

LANGUAGE:

ABSTRACT:

INDEX NUMBER: 84036

SOURCE: AGRICULTURAL ENGINEERING, VOL. 65, NO. 8, PP. 18-20

SUBJECT CATEGORIES

END POINTS

SPECIES

AC ELECTRIC FIELDS

ASSESSMENT METHODS

UNSPECIFIED

AUTHOR(S): KORENSTEIN, R. SOMJEN, D. FISCHLER, H. BINDERMAN, I.

TITLE: CAPACITIVE PULSED ELECTRIC STIMULATION OF BONE CELLS - INDUCTION OF CYCLIC-AMP CHANGES AND DNA SYNTHESIS

PUBLICATION DATE: 1984

LANGUAGE:

ABSTRACT:

INDEX NUMBER: 84074

SOURCE: BIOCHIMICA ET BIOPHYSICA ACTA, VOL. 803, NO. 4, PP. 302-307

SUBJECT CATEGORIES

END POINTS

SPECIES

UNCONVENTIONAL ELECTRIC FIELDS

BIOCHEMISTRY
CELL SYSTEMS
DNA

SMALL MAMMALS

ELF BIOLOGICAL EFFECTS LITERATURE DATABASE

PAGE 121

AUTHOR(S): KORNSTEIN, R. SOMJEN, D. FISCHLER, H. BINDERMAN, I.

TITLE: PRIMARY INDUCED CELLULAR CHANGES AND CELL SPECIFICITY IN PULSED CAPACITIVE STIMULATION OF BONE CELLS IN VITRO

PUBLICATION DATE: SEPTEMBER 1982

LANGUAGE:

ABSTRACT: YES

INDEX NUMBER: 82009

SOURCE: TRANSACTIONS OF THE SECOND ANNUAL MEETING OF THE BIOELECTRICAL REPAIR AND GROWTH SOCIETY, P. 5

SUBJECT CATEGORIES

END POINTS

SPECIES

UNCONVENTIONAL ELECTRIC FIELDS

BONE GROWTH/REPAIR
CELL SYSTEMS

UNSPECIFIED

129

AUTHOR(S): KORNBERG, H.A.

TITLE: CONCERN OVERHEAD --- BIOLOGICAL EFFECTS OF EXPOSURE TO ELECTROMAGNETIC FIELDS

PUBLICATION DATE: JUNE-JULY 1977

LANGUAGE:

ABSTRACT:

INDEX NUMBER: 77001

SOURCE: EPRI JOURNAL, PP. 6-13

SUBJECT CATEGORIES

END POINTS

SPECIES

AC ELECTRIC FIELDS

BEHAVIOR
BIOCHEMISTRY
CARDIAC PACEMAKERS
EMBRYOLOGY
GROWTH AND DEVELOPMENT
LITERATURE REVIEW
OCCUPATIONAL HEALTH
PHYSIOLOGY
PSYCHOLOGY
PUBLIC HEALTH

CROPS
DOMESTIC FOWL
HUMANS
POLLINATING INSECTS
PRIMATES

ELF BIOLOGICAL EFFECTS LITERATURE DATABASE

PAGE 122

AUTHOR(S): KOSZTALUK, R. MUKHEDEKAR, D. GERVASIS, Y.

TITLE: FIELD MEASUREMENTS OF TOUCH AND STEP VOLTAGES

PUBLICATION DATE: NOVEMBER 1984

LANGUAGE:

ABSTRACT:

INDEX NUMBER: 84019

SOURCE: IEEE TRANSACTIONS ON POWER APPARATUS AND SYSTEMS, VOL. PAS-103, NO. 11, PP. 3286-3294

SUBJECT CATEGORIES

AC ELECTRIC FIELDS

BODY-GROUND IMPEDANCE
BODY CURRENT
ELECTRIC SHOCK
EXPOSURE STANDARDS
INDUCTIVE COUPLING
MEASUREMENT METHODS
STEP POTENTIAL

END POINTS

SPECIES

HUMANS

AUTHOR(S): KOVALEV, S.P.

TITLE: THE INFLUENCE OF THE INDUSTRIAL FREQUENCY ELECTROMAGNETIC FIELD ON PROTEIN SYNTHESIS IN CULTURED FIBROBLASTS

PUBLICATION DATE: 1980

LANGUAGE: RUSSIAN

ABSTRACT: ENGLISH

INDEX NUMBER: 80010

SOURCE: TSITOLOSITA, NO. 4, PP. 487-493

SUBJECT CATEGORIES

AC ELECTRIC FIELDS

BIOCHEMISTRY
CELL SYSTEMS

END POINTS

SPECIES

HUMANS

ELF BIOLOGICAL EFFECTS LITERATURE DATABASE

PAGE 123

AUTHOR(S): KOZYARIN, I.P. SHVAIKO, I.I. VOITSEKHOVSKII, V.M.

TITLE: FEATURES OF THE BIOLOGICAL EFFECT OF A LOW FREQUENCY 50 HZ ELECTRIC FIELD IN ANIMALS DURING VARIOUS PERIODS OF ONTOGENY

PUBLICATION DATE: 1984

LANGUAGE: RUSSIAN

ABSTRACT: ENGLISH

INDEX NUMBER: 84068

SOURCE: 616. SANIT. NO. 3, PP. 44-48

SUBJECT CATEGORIES

END POINTS

SPECIES

AC ELECTRIC FIELDS

BIOCHEMISTRY

EXPOSURE STANDARDS

GROWTH AND DEVELOPMENT

SMALL MAMMALS

AUTHOR(S): KRAUS, W.

TITLE: MAGNETIC FIELD THERAPY AND MAGNETICALLY INDUCED ELECTROSTIMULATION IN ORTHOPAEDICS

PUBLICATION DATE: APRIL 1984

LANGUAGE: GERMAN

ABSTRACT:

INDEX NUMBER: 84075

SOURCE: ORTHOPAED, VOL. 13, NO. 2, PP. 78-92

SUBJECT CATEGORIES

END POINTS

SPECIES

UNCONVENTIONAL MAGNETIC FIELDS

BONE GROWTH/REPAIR

CLINICAL MEDICINE

LITERATURE REVIEW

HUMANS

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ELF BIOLOGICAL EFFECTS LITERATURE DATABASE

AUTHOR(S): KRAUS, M. LECHNER, G. ASCHERL, R. BLUMEL, G.

TITLE: ON THE TREATMENT OF LOOSENING OF ENDOPROSTHESES BY MEANS OF PULSING ELECTROMAGNETIC FIELDS

PUBLICATION DATE: SEPTEMBER 1982

LANGUAGE:

ABSTRACT: YES

INDEX NUMBER: 82013

SOURCE: TRANSACTIONS OF THE SECOND ANNUAL MEETING OF THE BIOELECTRICAL REPAIR AND GROWTH SOCIETY, P. 15

SUBJECT CATEGORIES

END POINTS

SPECIES

UNCONVENTIONAL MAGNETIC FIELDS

BONE GROWTH/REPAIR
CLINICAL MEDICINE

HUMANS

AUTHOR(S): KUKSINSKIY, V.Y.

TITLE: COAGULATIVE PROPERTIES OF BLOOD AND TISSUES OF THE CARDIOVASCULAR SYSTEM IN EXPOSURE TO ELECTROMAGNETIC FIELD

PUBLICATION DATE: 1978

LANGUAGE:

ABSTRACT:

INDEX NUMBER: 78018

SOURCE: KARDIOLOGIYA, NO. 3, PP. 107-110

SUBJECT CATEGORIES

END POINTS

SPECIES

AC ELECTRIC FIELDS

BIOCHEMISTRY
CARDIOVASCULAR FUNCTION
MECHANISMS

SMALL MAMMALS

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ELF BIOLOGICAL EFFECTS LITERATURE DATABASE

AUTHOR(S): KUSKIT, L.A. DEINAGA, Y.F. SAVLUK, O.S. ULBERG, Z.R. MAROCHKO, L.G. DENYAYKO, A.P.

TITLE: EFFECT OF HEAVY METAL IONS AND ELECTRIC FIELD ON THE ELECTRO-KINETIC PROPERTIES OF A MICROBIAL CELL

PUBLICATION DATE: JANUARY 1979

LANGUAGE: RUSSIAN

ABSTRACT: ENGLISH

INDEX NUMBER: 79018

SOURCE: DOVLADY AKADEMI NAUK SSSR, VOL. 244, NO. 1, PP. 217-219

SUBJECT CATEGORIES

END POINTS

SPECIES

UNSPECIFIED FIELDS

CELL SYSTEMS

BACTERIA

AUTHOR(S): YUTERBACH, D.A. WALCOTT, B. REEDER, R.J. FRANKEL, R.B.

TITLE: IRON-CONTAINING CELLS IN HONEY BEES (APIS MELLIFERA)

PUBLICATION DATE: NOVEMBER 1982

LANGUAGE:

ABSTRACT:

INDEX NUMBER: 82064

SOURCE: SCIENCE, VOL. 218, PP. 695-697

SUBJECT CATEGORIES

END POINTS

SPECIES

GEOMAGNETIC FIELDS

CELL SYSTEMS

POLLINATING SPECIES

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ELF BIOLOGICAL EFFECTS LITERATURE DATABASE

AUTHOR(S): LAMBIN, D.L.

TITLE: A COMPARISON OF MEASUREMENT TECHNIQUES TO DETERMINE ELECTRIC FIELDS AND MAGNETIC FLUX UNDER ENV OVERHEAD POWER TRANSMISSION LINES

PUBLICATION DATE: MARCH 1978

LANGUAGE:

ABSTRACT:

INDEX NUMBER: 78001

SOURCE: U.S. ENVIRONMENTAL PROTECTION AGENCY (LAS VEGAS) TECHNICAL NOTE ORP/EAD 78-1

SUBJECT CATEGORIES

AC ELECTRIC FIELDS
AC MAGNETIC FIELDS

ELECTRIC FIELD MEASUREMENTS
INSTRUMENTATION
MAGNETIC FIELD MEASUREMENTS
MEASUREMENT METHODS

END POINTS

SPECIES

UNSPECIFIED

134

AUTHOR(S): LARKIN, R.P.

TITLE: ELF COMMUNICATIONS SYSTEM ECOLOGICAL MONITORING PROGRAM: FIELD STUDIES OF EFFECTS OF ELF ON MIGRATING BIRDS

PUBLICATION DATE: JUNE 1985

LANGUAGE:

ABSTRACT:

INDEX NUMBER: 85136

SOURCE: COMPILATION OF 1984 ANNUAL REPORTS OF THE NAVY ELF COMMUNICATIONS SYSTEM ECOLOGICAL MONITORING PROGRAM, VOL. 2, TAB J, IIT RESEARCH INSTITUTE REPORT ED6549-17

SUBJECT CATEGORIES

AC ELECTRIC FIELDS
AC MAGNETIC FIELDS

ASSESSMENT METHODS
BEHAVIOR
ECOLOGY STUDIES
MIGRATION

END POINTS

SPECIES

AVIANS

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ELF BIOLOGICAL EFFECTS LITERATURE DATABASE

AUTHOR(S): LAUB, F. KORENSTEIN, R.

TITLE: ACTIN POLYMERIZATION INDUCED BY PULSED ELECTRIC STIMULATION OF BONE CELLS IN VITRO

PUBLICATION DATE: SEPTEMBER 1982

LANGUAGE:

ABSTRACT: YES

INDEX NUMBER: 82020

SOURCE: TRANSACTIONS OF THE SECOND ANNUAL MEETING OF THE BIDELECTRICAL REPAIR AND GROWTH SOCIETY, P. 43

SUBJECT CATEGORIES

END POINTS

SPECIES

UNCONVENTIONAL ELECTRIC FIELDS

CALCIUM EFFLUX

CELL COMMUNICATIONS

CELL SYSTEMS

SMALL MAMMALS

AUTHOR(S): LAUB, F. KORENSTEIN, R.

TITLE: ACTIN POLYMERIZATION INDUCED BY PULSED ELECTRIC STIMULATION OF BONE CELLS IN VITRO

PUBLICATION DATE: 1984

LANGUAGE:

ABSTRACT:

INDEX NUMBER: 84092

SOURCE: BIOCHIMICA ET BIOPHYSICA ACTA, NO. 803, PP. 308-313

SUBJECT CATEGORIES

END POINTS

SPECIES

UNCONVENTIONAL ELECTRIC FIELDS

BIOCHEMISTRY

CELL COMMUNICATIONS

CELL SYSTEMS

SMALL MAMMALS

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ELF BIOLOGICAL EFFECTS LITERATURE DATABASE

AUTHOR(S): LEE, J.M.

TITLE: HIGH-VOLTAGE TRANSMISSION LINES: THE ONGOING SEARCH FOR BIOLOGICAL EFFECTS

PUBLICATION DATE: DECEMBER 1984

LANGUAGE:

ABSTRACT:

INDEX NUMBER: B4002

SOURCE: PUBLIC UTILITIES FORTNIGHTLY, ARLINGTON, VA PP. 1-12

SUBJECT CATEGORIES		END POINTS	SPECIES
AC ELECTRIC FIELDS	BEHAVIOR	LITERATURE REVIEW	CROPS
AC MAGNETIC FIELDS	BIOCHEMISTRY	MILK PRODUCTION	HUMANS
	BONE GROWTH/REPAIR	MORTALITY	LIVESTOCK
	CANCER	OCCUPATIONAL HEALTH	PLANTS
	CARDIAC PACEMAKERS	PERCEPTION	POLLINATING INSECTS
	EXPOSURE STANDARDS	REPRODUCTION	SMALL MAMMALS
	FERTILITY		TREES
	GROWTH AND DEVELOPMENT		
	HUMAN HEALTH		
	LEUKEMIA		

AUTHOR(S): LEE, J.M.

TITLE: STATUS OF RESEARCH ON BIOLOGICAL EFFECTS OF TRANSMISSION LINE ELECTRIC AND MAGNETIC FIELDS

PUBLICATION DATE: FEBRUARY 1984

LANGUAGE:

ABSTRACT:

INDEX NUMBER: B4069

SOURCE: RIGHT OF WAY, VOL. 31, NO. 1, PP. 4-12

SUBJECT CATEGORIES		END POINTS	SPECIES
AC ELECTRIC FIELDS	BONE GROWTH/REPAIR	MILK PRODUCTION	CROPS
AC MAGNETIC FIELDS	BODY CURRENT	MORTALITY	HUMANS
	CANCER	OCCUPATIONAL HEALTH	LIVESTOCK
	CARDIAC PACEMAKERS	PERCEPTION	PLANTS
	ELECTRIC SHOCK	SHIELDING EFFECT	POLLINATING INSECTS
	GROWTH AND DEVELOPMENT		SMALL MAMMALS
	HUMAN HEALTH		
	LEUKEMIA		
	LITERATURE REVIEW		
	MECHANISMS		

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ELF BIOLOGICAL EFFECTS LITERATURE DATABASE

AUTHOR(S): LEE, J.M. BRACKEN, T.D. CAPON, A.S. SARKINEN, S.H. IHLE, G.M. PERRY, D.E. EYLER, T.R.

TITLE: ELECTRICAL AND BIOLOGICAL EFFECTS OF TRANSMISSION LINES: A REVIEW

PUBLICATION DATE: JUNE 1977

LANGUAGE:

ABSTRACT:

INDEX NUMBER: 77008

SOURCE: BONNEVILLE POWER ADMINISTRATION, BPA-BIO-78-1

SUBJECT CATEGORIES

AC ELECTRIC FIELDS
AC MAGNETIC FIELDS

LITERATURE REVIEW

END POINTS

SPECIES

AVIANS
BACTERIA
CANINES
CROPS
FISH
HUMANS
POLLINATING INSECTS
PRIMATES
SMALL MAMMALS
SOIL ORGANISMS

AUTHOR(S): LIBOFF, A.R.

TITLE: CYCLOTRON RESONANCE MECHANISM FOR ELECTROMAGNETIC ENERGY TRANSFER TO CELLS

PUBLICATION DATE: JUNE 1985

LANGUAGE:

ABSTRACT: YES

INDEX NUMBER: 85037

SOURCE: BIOELECTROMAGNETICS SOCIETY 7TH ANNUAL MEETING

SUBJECT CATEGORIES

UNSPECIFIED FIELDS

CELL SYSTEMS
MECHANISMS

END POINTS

SPECIES

UNSPECIFIED

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ELF BIOLOGICAL EFFECTS LITERATURE DATABASE

AUTHOR(S): LIROFF, A.R. HALVERSON, B.A.

TITLE: A NEW PROCEDURE FOR ELECTRICALLY STIMULATING CELLS IN CULTURE

PUBLICATION DATE: SEPTEMBER 1982

LANGUAGE:

ABSTRACT: YES

INDEX NUMBER: 82012

SOURCE: TRANSACTIONS OF THE SECOND ANNUAL MEETING OF THE BIOELECTRICAL REPAIR AND GROWTH SOCIETY, P. 14

SUBJECT CATEGORIES

END POINTS

SPECIES

UNCONVENTIONAL ELECTRIC FIELDS

EXPOSURE FACILITIES

TISSUE CULTURES

HUMANS

AUTHOR(S): LIROFF, A.R. THOMAS, J.R. SCHROT, J.

TITLE: MAGNETICALLY INDUCED BEHAVIOR MODIFICATION IN RATS

PUBLICATION DATE: JUNE 1985

LANGUAGE:

ABSTRACT: YES

INDEX NUMBER: 85029

SOURCE: BIOELECTROMAGNETICS SOCIETY 7TH ANNUAL MEETING

SUBJECT CATEGORIES

END POINTS

SPECIES

AC MAGNETIC FIELDS

BEHAVIOR
MECHANISMS

SMALL MAMMALS

ELF BIOLOGICAL EFFECTS LITERATURE DATABASE

PAGE 131

AUTHOR(S): LIBOFF, A.R. WILLIAMS, T. STRONG, D.M. WISTAR, R.

TITLE: ALTERNATING MAGNETIC FIELDS ENHANCE DNA SYNTHESIS IN FIBROBLASTIC CELLS

PUBLICATION DATE: SEPTEMBER 1982

LANGUAGE:

ABSTRACT: YES

INDEX NUMBER: 82010

SOURCE: TRANSACTIONS OF THE SECOND ANNUAL MEETING OF THE BIOELECTRICAL REPAIR AND GROWTH SOCIETY, P. 6

SPECIES

END POINTS

SUBJECT CATEGORIES

AC MAGNETIC FIELDS

CELL SYSTEMS

DNA

TISSUE CULTURES

HUMANS

139

AUTHOR(S): LIBURDY, R.P.

TITLE: CARCINOGENESIS AND EXPOSURE TO ELECTRICAL AND MAGNETIC FIELDS (LETTER TO THE EDITOR)

PUBLICATION DATE: NOVEMBER 1982

LANGUAGE:

ABSTRACT:

INDEX NUMBER: 82008

SOURCE: THE NEW ENGLAND JOURNAL OF MEDICINE, P. 1402

SPECIES

END POINTS

SUBJECT CATEGORIES

UNSPECIFIED FIELDS

CANCER

LEUCEMIA

OCCUPATIONAL HEALTH

HUMANS

PAGE 132

ELF BIOLOGICAL EFFECTS LITERATURE DATABASE

AUTHOR(S): LIN, R.S. DISCHINGER, P.C. CONDE, J. FARRELL, V.P.

TITLE: OCCUPATIONAL EXPOSURE TO ELECTROMAGNETIC FIELDS AND THE OCCURRENCE OF BRAIN TUMORS

PUBLICATION DATE: JUNE 1985

LANGUAGE:

ABSTRACT:

INDEX NUMBER: 85064

SOURCE: JOURNAL OF OCCUPATIONAL MEDICINE, VOL. 27, NO. 6, PP. 413-419

SUBJECT CATEGORIES

END POINTS

SPECIES

UNSPECIFIED FIELDS

BRAIN SYSTEM

CANCER

EPIDEMIOLOGY

MORTALITY

OCCUPATIONAL HEALTH

HUMANS

=====

AUTHOR(S): LINDAHL, O.

TITLE: SURVEY OF ORTHOPAEDIC SURGICAL RESEARCH IN A UNIVERSITY CENTER (LINKÖPING)

PUBLICATION DATE: DECEMBER 1984

LANGUAGE:

ABSTRACT:

INDEX NUMBER: 84037

SOURCE: CLINICAL ORTHOPAEDICS AND RELATED RESEARCH, NO. 191, PP. 136-138

SUBJECT CATEGORIES

EN. POINTS

SPECIES

UNSPECIFIED FIELDS

BONE GROWTH/REPAIR

CLINICAL MEDICINE

HUMANS

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ELF BIOLOGICAL EFFECTS LITERATURE DATABASE

AUTHOR(S): LINDBERG, R.G.

TITLE: POTENTIAL EFFECTS ON NATURAL BIOTA IN OPERATING AN EXTREMELY LOW FREQUENCY COMMUNICATIONS SYSTEM

PUBLICATION DATE: MARCH 1985

LANGUAGE:

ABSTRACT:

INDEX NUMBER: 85095

SOURCE: BIOLOGICAL AND HUMAN HEALTH EFFECTS OF EXTREMELY LOW FREQUENCY ELECTROMAGNETIC FIELDS; AMERICAN INSTITUTE OF BIOLOGICAL SCIENCES, CHAPTER 10

SUBJECT CATEGORIES		END POINTS	SPECIES
AC ELECTRIC FIELDS	ASSESSMENT METHODS	REPRODUCTION	AIRBORNE INSECTS
AC MAGNETIC FIELDS	AVERSION	RESEARCH ASSESSMENT	AVIANS
	BEHAVIOR	SPECIES DIVERSITY	AQUATIC INSECTS
	ECOLOGICAL STUDIES		BACTERIA
	ELECTROSENSITIVITY		FISH
	LITERATURE REVIEW		MARINE ORGANISMS
	MIGRATION		PLANTS
	ORIENTATION		POLLINATING INSECTS
	PERCEPTION		SMALL MAMMALS
	POPULATION DYNAMICS		SOIL ORGANISMS

AUTHOR(S): LIURCHENKO, S.A.

TITLE: EFFECT OF THE ELECTRIC FIELD OF INDUSTRIAL FREQUENCIES ON INDICES OF NATURAL IMMUNITY

PUBLICATION DATE: 1982

LANGUAGE: RUSSIAN

ABSTRACT: ENGLISH

INDEX NUMBER: 82074

SOURCE: VRACHEVNOE DELO, NO. 8, PP. 102-105

SUBJECT CATEGORIES		END POINTS	SPECIES
AC ELECTRIC FIELDS	IMMUNOLOGY		HUMANS

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ELF BIOLOGICAL EFFECTS LITERATURE DATABASE

AUTHOR(S): LOVELY, R.H.

TITLE: BEHAVIORAL TOXICOLOGY OF ELF ELECTRIC AND MAGNETIC FIELDS

PUBLICATION DATE: MAY 1985

LANGUAGE:

ABSTRACT:

INDEX NUMBER: 85113

SOURCE: ASSESSMENTS AND VIEWPOINTS ON THE BIOLOGICAL AND HUMAN HEALTH EFFECTS OF EXTREMELY LOW FREQUENCY (ELF) ELECTROMAGNETIC FIELDS; AMERICAN INSTITUTE OF BIOLOGICAL SCIENCES, PP. 185-204

SUBJECT CATEGORIES

END POINTS

SPECIES

AC ELECTRIC FIELDS
AC MAGNETIC FIELDS

AVERSION
BEHAVIOR

BODY CURRENT
ELECTROSENSITIVITY
HUMAN HEALTH
OCCUPATIONAL HEALTH
PERCEPTION
PSYCHOLOGY
RESEARCH ASSESSMENT

HUMANS
SMALL MAMMALS

AUTHOR(S): LOVELY, R.H. CREIM, J.A. ANDERSON, L.E.

TITLE: THE ROLE OF EARS, VISSAGE AND OTHER BODY HAIR IN THE RATS AVERSION TO INTENSE 60-HZ ELECTRIC FIELDS

PUBLICATION DATE: JUNE 1985

LANGUAGE:

ABSTRACT: YES

INDEX NUMBER: 85049

SOURCE: BIOELECTROMAGNETICS SOCIETY 7TH ANNUAL MEETING

SUBJECT CATEGORIES

END POINTS

SPECIES

AC ELECTRIC FIELDS

AVERSION
BEHAVIOR
FOOD/WATER INTAKE

SMALL MAMMALS

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ELF BIOLOGICAL EFFECTS LITERATURE DATABASE

AUTHOR(S): LOYD, R.D. MATTHEWS, J.L. NEWMAN, J.T. ROA, R.

TITLE: PULSING ELECTROMAGNETIC FIELD EFFECTS ON CULTURED FIBROCYTES

PUBLICATION DATE: SEPTEMBER 1982

LANGUAGE:

ABSTRACT: YES

INDEX NUMBER: 82052

SOURCE: TRANSACTIONS OF THE SECOND ANNUAL MEETING OF THE BIOELECTRICAL REPAIR AND GROWTH SOCIETY, P. 95

SUBJECT CATEGORIES

END POINTS

SPECIES

UNSPECIFIED FIELDS

CELL SYSTEMS

UNSPECIFIED

143

AUTHOR(S): LYLE, D.G. KAHN, G.W. AYOTTE, R.D. ADEY, W.R.

TITLE: T-CELL GROWTH FACTOR PRODUCTION AND 1-3H-THYMIDINE INCORPORATION BY THE MYELOID LEUKEMIA CELLS M1 AND U-937 IN THE PRESENCE OF

12-O-TETRADECANOYLPHORBOL-13-ACETATE (TPA) ARE UNAFFECTED BY 60-HZ PULSED 20 GAUSS MAGNETIC FIELD

PUBLICATION DATE: JUNE 1985

LANGUAGE:

ABSTRACT: YES

INDEX NUMBER: 85043

SOURCE: BIOELECTROMAGNETICS SOCIETY 7TH ANNUAL MEETING

SUBJECT CATEGORIES

END POINTS

SPECIES

UNCONVENTIONAL MAGNETIC FIELDS

CELL SYSTEMS

TUMORS

SMALL MAMMALS

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ELF BIOLOGICAL EFFECTS LITERATURE DATABASE

AUTHOR(S): MAFFEO, S. MILLER, M.W. CARSTENSEN, E.L.

TITLE: LACK OF EFFECT OF MEAN LOW FREQUENCY ELECTROMAGNETIC FIELDS ON CHICK EMBRYOGENESIS

PUBLICATION DATE: DECEMBER 1984

ABSTRACT:

INDEX NUMBER: 84038

SOURCE: JOURNAL OF ANATOMY, NO. 139, PART 4, PP. 613-618

SUBJECT CATEGORIES

END POINTS

SPECIES

UNCONVENTIONAL MAGNETIC FIELDS

EMBRYOLOGY
GROWTH AND DEVELOPMENT

DOMESTIC FOWL

AUTHOR(S): MAHMOUD, A.A. ZIMMERMAN, D.R.

TITLE: HIGH VOLTAGE TRANSMISSION AND ENVIRONMENTAL EFFECTS

PUBLICATION DATE: DECEMBER 1983

ABSTRACT:

INDEX NUMBER: 83022

SOURCE: RIGHT OF WAY, PP. 15-20

SUBJECT CATEGORIES

END POINTS

SPECIES

AC ELECTRIC FIELDS

EXPOSURE FACILITIES
GROWTH AND DEVELOPMENT

LIVESTOCK

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ELF BIOLOGICAL EFFECTS LITERATURE DATABASE

AUTHOR(S): MAJENSKI, J.

TITLE: ELECTRIC FIELD INTENSITY BELOW TYPICAL 110 TO 330 KV OVERHEAD LINES

PUBLICATION DATE: 1977

LANGUAGE: POLISH

ABSTRACT: ENGLISH

INDEX NUMBER: 77023

SOURCE: ENERGETYKA, VOL. 31, NOS. 7 & 8, PP. 295-297

SUBJECT CATEGORIES

END POINTS

SPECIES

AC ELECTRIC FIELDS

ELECTRIC FIELD MEASUREMENTS

UNSPECIFIED

AUTHOR(S): MAPKAKOVA, H.B.

TITLE: THE INFLUENCE OF VARIABLE MAGNETIC FIELD (VMF) ON CENTRAL NERVOUS SYSTEM (CMS) AND CHANGE OF AMOUNT OF IODINE IN ORGANS AND TISSUES

PUBLICATION DATE: JULY-AUGUST 1983

LANGUAGE: RUSSIAN

ABSTRACT: ENGLISH

INDEX NUMBER: 83014

SOURCE: KOSMICHESKAYA BIOLOGIA I AVIAKOSMICHESKAYA MEDITSINA, VOL. 17, NO. 4, PP. 90-92

SUBJECT CATEGORIES

END POINTS

SPECIES

AC MAGNETIC FIELDS

BIOCHEMISTRY

SMALL MAMMALS

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ELF BIOLOGICAL EFFECTS LITERATURE DATABASE

AUTHOR(S): MARCER, M. MUSATTI, G. BASSETT, C.A.L.

TITLE: RESULTS OF PULSED ELECTROMAGNETIC FIELDS (PEMF'S) IN UNUNITED FRACTURES AFTER EXTERNAL SKELETAL FIXATION

PUBLICATION DATE: NOVEMBER 1984

LANGUAGE:

ABSTRACT:

INDEX NUMBER: 84076

SOURCE: CLINICAL ORTHOPAEDICS AND RELATED RESEARCH, NO. 190, PP. 260-265

SUBJECT CATEGORIES

END POINTS

SPECIES

UNCONVENTIONAL MAGNETIC FIELDS

BONE GROWTH/REPAIR
CLINICAL MEDICINE

HUMANS

AUTHOR(S): MARGONATO, V.

TITLE: EFFECT OF HIGH INTENSITY (50-HZ) ELECTRIC STIMULUS ON VARIOUS CARDIOVASCULAR PARAMETERS IN THE RABBIT

PUBLICATION DATE: SEPTEMBER 1983

LANGUAGE: ITALIAN

ABSTRACT: ENGLISH

INDEX NUMBER: 83012

SOURCE: BOLLATINA SOCIETA ITALIANA DI BIOLOGIA SPERIMENTALE, VOL. 59, NO. 9, PP. 1224-1230

SUBJECT CATEGORIES

END POINTS

SPECIES

AC ELECTRIC FIELDS

CARDIOVASCULAR FUNCTION

SKULL MAMMALS

ELF BIOLOGICAL EFFECTS LITERATURE DATABASE

PAGE 139

AUTHOR(S): MARTINO, A.A.

TITLE: ELECTROMAGNETIC FIELDS AND PUBLIC HEALTH

PUBLICATION DATE: MAY 1985

LANGUAGE:

ABSTRACT:

INDEX NUMBER: 05114

SOURCE: ASSESSMENTS AND VIEWPOINTS ON THE BIOLOGICAL AND HUMAN HEALTH EFFECTS OF EXTREMELY LOW FREQUENCY (ELF) ELECTROMAGNETIC FIELDS; AMERICAN INSTITUTE OF BIOLOGIC
BIOLOGICAL SCIENCES, PP. 205-231

SUBJECT CATEGORIES

END POINTS

SPECIES

AC ELECTRIC FIELDS
AC MAGNETIC FIELDS

PUBLIC HEALTH
RESEARCH ASSESSMENT

ALL-INCLUSIVE

147

AUTHOR(S): MARTINO, A.A. BECKER, R.O.

TITLE: HIGH VOLTAGE LINES - HAZARD AT A DISTANCE

PUBLICATION DATE: NOVEMBER 1978

LANGUAGE:

ABSTRACT:

INDEX NUMBER: 78002

SOURCE: ENVIRONMENT MAGAZINE, VOL. 20, NO. 9, PP. 6-15, 40

SUBJECT CATEGORIES

END POINTS

SPECIES

AC ELECTRIC FIELDS
AC MAGNETIC FIELDS

BEHAVIOR
BIOCHEMISTRY
BONE GROWTH/REPAIR
CIRCADIAN RHYTHMS
GENETICS
GROWTH AND DEVELOPMENT
HUMAN HEALTH
LITERATURE REVIEW
OCCUPATIONAL HEALTH
PERCEPTION

PHYSIOLOGY
PSYCHOLOGY
PUBLIC HEALTH

AIRBORNE INSECTS
AVIANS
CANINES
DOMESTIC FOWL
FISH
HUMANS
PLANTS
POLLINATING INSECTS
PRIMATES
SMALL MAMMALS

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ELF BIOLOGICAL EFFECTS LITERATURE DATABASE

AUTHOR(S): MARKOV, K.M. PETRICHUK, S.V. ZAVRIEVA, M.K. SUSLOVA, G.F. NARCISOV, R.P.

TITLE: EFFECT OF MAGNETIC FIELD ON SPONTANEOUS HYPERTENSION DEVELOPMENT IN RATS

PUBLICATION DATE: DECEMBER 1984

LANGUAGE:

ABSTRACT:

INDEX NUMBER: 84070

SOURCE: BIULL EYSP BIOL MED, VOL. 98, NO. 12, PP. 659-661

SUBJECT CATEGORIES

AC MAGNETIC FIELDS

BIOCHEMISTRY

METABOLISM

STRESS RESPONSE

END POINTS

SPECIES

SMALL MAMMALS

AUTHOR(S): MATHEWSON, N.S. DOOSTA, G.M. LEVIN, S.G. EKSTROM, M.E. DIAMOND, S.S.

TITLE: EXTREMELY LOW FREQUENCY (ELF) VERTICAL ELECTRIC FIELD EXPOSURE OF RATS: A SEARCH FOR GROWTH, FOOD CONSUMPTION AND BLOOD METABOLITE ALTERATIONS

PUBLICATION DATE: JANUARY 1977

LANGUAGE:

ABSTRACT:

INDEX NUMBER: 77011

SOURCE: ARMED FORCES RADIOBIOLOGY RESEARCH INSTITUTE

SUBJECT CATEGORIES

AC ELECTRIC FIELDS

BIOCHEMISTRY

FOOD/WATER INTAKE

GROWTH AND DEVELOPMENT

PATHOLOGY

END POINTS

SPECIES

SMALL MAMMALS

ELF BIOLOGICAL EFFECTS LITERATURE DATABASE

PAGE 141

AUTHOR(S): MATHEWSON, N.S. OOSTA, G.W. OLIVA, S.A. LEVIN, S.G. BLASCO, A.P.

TITLE: EFFECTS OF 45 HZ ELECTRIC FIELD EXPOSURE ON RATS

PUBLICATION DATE: 1977

LANGUAGE:

ABSTRACT:

INDEX NUMBER: 77012

SOURCE: BIOLOGICAL EFFECTS OF ELECTROMAGNETIC WAVES - SELECTED PAPERS OF THE USNC/URSI ANNUAL MEETING, (1975) VOL. 1, PP. 460-471

SPECIES

END POINTS

SMALL MAMMALS

BIOCHEMISTRY
FOOD/WATER INTAKE
GROWTH AND DEVELOPMENT
METABOLISM
PATHOLOGY

AC ELECTRIC FIELDS

AUTHOR(S): MATIAS, T.R. COLBETH, H.L.

TITLE: RECOMMENDED DECISION OF THE ADMINISTRATIVE LAW JUDGES ON THE HEALTH AND SAFETY EFFECTS OF 765 KV TRANSMISSION LINES

PUBLICATION DATE: JANUARY 1978

LANGUAGE:

ABSTRACT:

INDEX NUMBER: 78019

SOURCE: NEW YORK STATE PUBLIC SERVICE COMMISSION, COMBINED RECORD PROCEEDING, CASES 26529 AND 26559

SPECIES

END POINTS

ALL-INCLUSIVE

STRESS RESPONSE

ELECTROSENSITIVITY
GENETICS
GROWTH AND DEVELOPMENT
HUMAN HEALTH
INDUCTIVE COUPLING
MITOTIC CYCLE
ORIENTATION
PATHOLOGY
PSYCHOLOGY
REPRODUCTION

ADMINISTRATIVE PROCEEDINGS
BEHAVIOR
BIOCHEMISTRY
BODY CURRENT
CANCER
CARDIAC PACEMAKERS
CELL SYSTEMS
CIRCADIAN RHYTHMS
CURRENT DENSITY
ELECTRIC SHOCK

AC ELECTRIC FIELDS
AC MAGNETIC FIELDS

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ELF BIOLOGICAL EFFECTS LITERATURE DATABASE

AUTHOR(S): MCCARTHY, I.D. ANNAN, I.H. LOUDON, I. LAW, H.T.L. HUGHES, S.P.F.

TITLE: UPTAKE OF 99(M)TC-MDP AT A FRACTURE SITE TREATED WITH ELECTROMAGNETIC INDUCTION OF CURRENT

PUBLICATION DATE: SEPTEMBER 1982

LANGUAGE:

ABSTRACT: YES

INDEX NUMBER: 82030

SOURCE: TRANSACTIONS OF THE SECOND ANNUAL MEETING OF THE BIOELECTRICAL REPAIR AND GROWTH SOCIETY, P. 1

SUBJECT CATEGORIES

END POINTS

SPECIES

UNCONVENTIONAL MAGNETIC FIELDS

BONE GROWTH/REPAIR

LIVESTOCK

AUTHOR(S): MCVEE, G.W. KNIEVAL, D.P. POZNANIAY, D.T. RANKOSKE, J.W.

TITLE: ENVIRONMENTAL IMPACT OF 60 HZ ELECTRIC FIELDS ON THE GROWTH AND DEVELOPMENT OF PLANTS

PUBLICATION DATE: JUNE 1977

LANGUAGE:

ABSTRACT:

INDEX NUMBER: 77032

SOURCE: IEEE ELECTROMAGNETIC COMPATIBILITY SYMPOSIUM AND TECHNICAL EXHIBIT, PP. 485-490

SUBJECT CATEGORIES

END POINTS

SPECIES

AC ELECTRIC FIELDS

GROWTH AND DEVELOPMENT
MORTALITY

PLANTS
TREES

ELF BIOLOGICAL EFFECTS LITERATURE DATABASE

PAGE 143

AUTHOR(S): MCLEOD, B.R. LIBOFF, A.R.

TITLE: DYNAMICS OF BIOLOGICAL IONS IN LOW FREQUENCY MULTI-FIELD CONFIGURATIONS

PUBLICATION DATE: JUNE 1985

LANGUAGE:

ABSTRACT: YES

INDEX NUMBER: 85036

SOURCE: BIOELECTROMAGNETICS SOCIETY 7TH ANNUAL MEETING

SUBJECT CATEGORIES	END POINTS	SPECIES
AC ELECTRIC FIELDS AC MAGNETIC FIELDS	BRAIN SYSTEM CALCIUM EFFLUX CELL SYSTEMS MECHANISMS	DOMESTIC FOWL

AUTHOR(S): MEHN, W.H. PHILLIPS, R.

TITLE: SUMMARY OF PRESENTATION ON "U.S. RESEARCH IN THE FIELD OF HEALTH AND ECOLOGICAL EFFECTS OF ELECTRIC FIELDS"

PUBLICATION DATE: 1978

LANGUAGE:

ABSTRACT:

INDEX NUMBER: 78004

SOURCE: U.S. DEPARTMENT OF ENERGY REPORT, CONF - 7805134, PP. 429-430

SUBJECT CATEGORIES	END POINTS	SPECIES
AC ELECTRIC FIELDS	BEHAVIOR CARDIAC PACEMAKERS GROWTH AND DEVELOPMENT	CROPS HUMANS LIVESTOCK POLLINATING INSECTS SMALL MAMMALS

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ELF BIOLOGICAL EFFECTS LITERATURE DATABASE

AUTHOR(S): MELNIKOV, D.F. DIESPEROVA, A.A. BAKAI, E.A. RUDDI, A.I.

TITLE: STIMULATION OF ANTIBODY GENESIS IN THE RAT SPLEEN BY LOCAL ACTION OF VARIABLE MAGNETIC FIELD ON THE BREAST REGION

PUBLICATION DATE: JAN-FEBRUARY 1982

LANGUAGE: RUSSIAN

ABSTRACT: ENGLISH

INDEX NUMBER: B2070

SOURCE: FIZIOLOGICHESKII ZHURNAL, VOL. 28, NO. 1, PP. 109-112

SUBJECT CATEGORIES

END POINTS

SPECIES

UNSPECIFIED FIELDS

IMMUNOLOGY

SMALL MAMMALS

AUTHOR(S): MICHAELSON, S.M.

TITLE: INFLUENCE OF POWER FREQUENCY ELECTRIC AND MAGNETIC FIELDS ON HUMAN HEALTH

PUBLICATION DATE: MAY 1985

LANGUAGE:

ABSTRACT:

INDEX NUMBER: B5115

SOURCE: ASSESSMENTS AND VIEWPOINTS ON THE BIOLOGICAL AND HUMAN HEALTH EFFECTS OF EXTREMELY LOW FREQUENCY (ELF) ELECTROMAGNETIC FIELDS; AMERICAN INSTITUTE OF BIOLOGICAL SCIENCES, PP. 233-265

SUBJECT CATEGORIES

END POINTS

SPECIES

AC ELECTRIC FIELDS
AC MAGNETIC FIELDS

HUMAN HEALTH
RESEARCH ASSESSMENT

HUMANS

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ELF BIOLOGICAL EFFECTS LITERATURE DATABASE

AUTHOR(S): MILHAM, S.

TITLE: SILENT KEYS: LEUKAEMIA MORTALITY IN AMATEUR RADIO OPERATORS (LETTER TO THE EDITOR)

PUBLICATION DATE: APRIL 1985

LANGUAGE:

ABSTRACT:

INDEX NUMBER: 85001

SOURCE: THE LANCET, P. 812

SUBJECT CATEGORIES

END POINTS

SPECIES

UNSPECIFIED FIELDS

CANCER
HUMAN HEALTH
LEUKEMIA
MORTALITY

HUMANS

AUTHOR(S): MILHAM, S.

TITLE: OCCUPATIONAL MORTALITY IN WASHINGTON STATE, 1950-1979

PUBLICATION DATE: OCTOBER 1983

LANGUAGE:

ABSTRACT:

INDEX NUMBER: 83019

SOURCE: NATIONAL INSTITUTE FOR OCCUPATIONAL SAFETY AND HEALTH REPORT, PR 84-197769

SUBJECT CATEGORIES

END POINTS

SPECIES

UNSPECIFIED FIELDS

CANCER
HUMAN HEALTH
LEUKEMIA
MORTALITY
OCCUPATIONAL HEALTH

HUMANS

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ELF BIOLOGICAL EFFECTS LITERATURE DATABASE

AUTHOR(S): MILLER, D.B. BLACKMAN, C.F. ALI, J.S.

TITLE: BEHAVIORAL RESPONSES OF MORPHINE-TREATED MICE TO ELF MAGNETIC FIELDS

PUBLICATION DATE: JUNE 1985

LANGUAGE:

ABSTRACT: YES

INDEX NUMBER: 85041

SOURCE: BIOELECTROMAGNETICS SOCIETY 7TH ANNUAL MEETING

SUBJECT CATEGORIES

END POINTS

SPECIES

AC MAGNETIC FIELDS

BEHAVIOR

SMALL MAMMALS

AUTHOR(S): MILLER, G.J. BURCHARDT, H. ENNEKING, W.F. TYLKOWSKI, C.M.

TITLE: ELECTROMAGNETIC STIMULATION OF CANINE BONE GRAFTS

PUBLICATION DATE: JUNE 1984

LANGUAGE:

ABSTRACT:

INDEX NUMBER: 84039

SOURCE: JOURNAL OF BONE AND JOINT SURGERY, VOL. 66-A, NO. 5, PP. 693-698

SUBJECT CATEGORIES

END POINTS

SPECIES

UNCONVENTIONAL MAGNETIC FIELDS

BONE GROWTH/REPAIR

CANINES

ELF BIOLOGICAL EFFECTS LITERATURE DATABASE

PAGE 147

AUTHOR(S): MILLER, M.M.

TITLE: AN ASSESSMENT OF HEALTH IMPACTS OF ELECTRICAL POWER TRANSMISSION LINES

PUBLICATION DATE: JUNE 1981

LANGUAGE:

ABSTRACT:

INDEX NUMBER: 81001

SOURCE: INTERNATIONAL ATOMIC ENERGY AGENCY, SYMPOSIUM ON HEALTH IMPACTS OF DIFFERENT SOURCES OF ENERGY, IAEA-SM-254/44, PP. 399-412

SUBJECT CATEGORIES	END POINTS	SPECIES
AC ELECTRIC FIELDS	BIOCHEMISTRY	AVIANS
AC MAGNETIC FIELDS	BONE GROWTH/REPAIR	CANINES
	CARDIOVASCULAR FUNCTION	CROPS
	CELL SYSTEMS	HUMANS
	ENDOCRINOLOGY	LIVESTOCK
	GROWTH AND DEVELOPMENT	MARINE ORGANISMS
	IMMUNOLOGY	PRIMATES
	LITERATURE REVIEW	SMALL MAMMALS
	METABOLISM	SOIL ORGANISMS
	NEUROPHYSIOLOGY	
	OCCUPATIONAL HEALTH	
	PATHOLOGY	
	PERCEPTION	
	PHYSIOLOGY	
	PSYCHOLOGY	
	REPRODUCTION	

AUTHOR(S): MISAKIAN, M.

TITLE: ELECTRICAL PARAMETERS IN 60-HZ BIOLOGICAL EXPOSURE SYSTEMS AND THEIR MEASUREMENTS: A PRIMER

PUBLICATION DATE: APRIL 1984

LANGUAGE:

ABSTRACT:

INDEX NUMBER: 84040

SOURCE: NATIONAL BUREAU OF STANDARDS TECHNICAL NOTE 1191

SUBJECT CATEGORIES	END POINTS	SPECIES
AC ELECTRIC FIELDS	EXPOSURE FACILITIES	UNSPECIFIED
AC MAGNETIC FIELDS	FIELD EQUATIONS	
	MEASUREMENT METHODS	
	SHIELDING EFFECT	

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ELF BIOLOGICAL EFFECTS LITERATURE DATABASE

AUTHOR(S): MISAJIAN, M. KOTTER, F.R. KAHLER, R.L.

TITLE: MINIATURE ELF ELECTRIC FIELD PROBE

PUBLICATION DATE: 1978

LANGUAGE:

ABSTRACT:

INDEX NUMBER: 78010

SOURCE: REVIEW OF SCIENTIFIC INSTRUMENTATION, VOL. 49, NO. 7, PP. 933-935

SUBJECT CATEGORIES

END POINTS

SPECIES

AC ELECTRIC FIELDS

FIELD EQUATIONS
INSTRUMENTATION

UNSPECIFIED

AUTHOR(S): MISCHER, M. LAMPRECHT, I.

TITLE: DIELECTROPHORETIC ROTATION IN BUDDING YEAST CELLS

PUBLICATION DATE: 1980

LANGUAGE:

ABSTRACT:

INDEX NUMBER: 80007

SOURCE: Z. NATURFORSCH. 35C, PP. 1111-1113

SUBJECT CATEGORIES

END POINTS

SPECIES

AC ELECTRIC FIELDS

CELL SYSTEMS
ORIENTATION

BACTERIA

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ELF BIOLOGICAL EFFECTS LITERATURE DATABASE

AUTHOR(S): MITBREIT, I.M. LAVRISHCHEVA, G.I. DIRIN, V.A.

TITLE: CHANGES IN PERIPHERAL CIRCULATION OF THE EXTREMITIES DURING REPARATIVE REGENERATION OF THE BONE UNDER THE EFFECT OF LOW-FREQUENCY MAGNETIC FIELD

PUBLICATION DATE: JULY-AUGUST 1981 LANGUAGE: RUSSIAN ABSTRACT: ENGLISH INDEX NUMBER: 81031

SOURCE: VORFOSY KURORTOLOGII, FIZIOTERAPI I LECHENI FIZICHESKOI KULTURY, VOL. 4, PP. 24-28

SUBJECT CATEGORIES END POINTS SPECIES

AC MAGNETIC FIELDS

BONE GROWTH/REPAIR

SMALL MAMMALS

AUTHOR(S): MORGAN, M.G. FLORIG, H.V. NAIR, I. LINCOLN, D.

TITLE: POWER-LINE FIELDS AND HUMAN HEALTH

PUBLICATION DATE: FEBRUARY 1985

LANGUAGE:

ABSTRACT:

INDEX NUMBER: 85068

SOURCE: IEEE SPECTRUM, PP. 62-68

SUBJECT CATEGORIES END POINTS SPECIES

AC ELECTRIC FIELDS

ASSESSMENT METHODS
HUMAN HEALTH

HUMANS

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ELF BIOLOGICAL EFFECTS LITERATURE DATABASE

AUTHOR(S): MORGAN, M.G. SLOVIC, P. MAIR, I. GEISLER, D. MACGREGOR, D. FISHOFF, B. LINCOLN, D. FLORIG, K.

TITLE: POWERLINE FREQUENCY ELECTRIC AND MAGNETIC FIELDS: A PILOT STUDY OF RISK PERCEPTION

PUBLICATION DATE: 1985

LANGUAGE:

ABSTRACT:

INDEX NUMBER: B5073

SOURCE: RISK ANALYSIS, VOL. 5, NO. 2, PP. 139-149

SUBJECT CATEGORIES

END POINTS

SPECIES

AC ELECTRIC FIELDS
AC MAGNETIC FIELDS

ASSESSMENT METHODS

HUMANS

AUTHOR(S): MORRIS, J.E.

TITLE: IMMUNE SYSTEM RESPONSES AND 60 HZ ELECTRIC FIELDS

PUBLICATION DATE: JUNE 1985

LANGUAGE:

ABSTRACT: YES

INDEX NUMBER: B5046

SOURCE: BIOELECTROMAGNETICS SOCIETY 7TH ANNUAL MEETING

SUBJECT CATEGORIES

END POINTS

SPECIES

AC ELECTRIC FIELDS

BIOCHEMISTRY
CELL SYSTEMS
IMMUNOLOGY

SMALL MAMMALS

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ELF BIOLOGICAL EFFECTS LITERATURE DATABASE

AUTHOR(S): MROZ, S.D.

TITLE: ELF COMMUNICATIONS SYSTEM ECOLOGICAL MONITORING PROGRAM: HERBACEOUS PLANT COVER AND TREE STUDIES

PUBLICATION DATE: JUNE 1985

LANGUAGE:

ABSTRACT:

INDEX NUMBER: 85127

SOURCE: COMPILATION OF 1984 ANNUAL REPORTS OF THE NAVY ELF COMMUNICATIONS SYSTEM ECOLOGICAL MONITORING PROGRAM, VOL. 1, TAB A, IIT RESEARCH INSTITUTE REPORT ED6549-17

SUBJECT CATEGORIES

END POINTS

SPECIES

AC ELECTRIC FIELDS
AC MAGNETIC FIELDS

ASSESSMENT METHODS
ECOLOGY STUDIES

ELECTRIC FIELD MEASUREMENTS
GROWTH AND DEVELOPMENT
MAGNETIC FIELD MEASUREMENTS
SPECIES DIVERSITY

PLANTS
TREES

159

AUTHOR(S): MURAVEIKO, V.M.

TITLE: FUNCTIONAL PROPERTIES OF ELECTRORECEPTORS IN THE LAMPREY

PUBLICATION DATE: 1984

LANGUAGE:

ABSTRACT:

INDEX NUMBER: 84077

SOURCE: NEUROFIZIOLOGIJA, VOL. 16, NO. 1, PP. 105-110

SUBJECT CATEGORIES

END POINTS

SPECIES

AC ELECTRIC FIELDS

ELECTROSENSITIVITY

FISH

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ELF BIOLOGICAL EFFECTS LITERATURE DATABASE

AUTHOR(S): MURRAY, C.

TITLE: STIMULATION OF CONNECTIVE TISSUE PROTEIN SYNTHESIS IN FIBROBLAST CULTURES BY PULSED MAGNETIC FIELDS

PUBLICATION DATE: SEPTEMBER 1982

LANGUAGE:

ABSTRACT: YES

INDEX NUMBER: 82032

SOURCE: TRANSACTIONS OF THE SECOND ANNUAL MEETING OF THE BIOELECTRICAL REPAIR AND GROWTH SOCIETY, P. 9

SUBJECT CATEGORIES

END POINTS

SPECIES

UNSPECIFIED FIELDS

BIOCHEMISTRY
CELL SYSTEMS
EMBRYOLOGY
METABOLISM

DOMESTIC FOWL

160

AUTHOR(S): MURRAY, J.C. FARNDALE, R.W.

TITLE: MODULATION OF COLLAGEN PRODUCTION IN CULTURED FIBROBLASTS BY A LOW-FREQUENCY, PULSED MAGNETIC FIELD

PUBLICATION DATE: 1985

LANGUAGE:

ABSTRACT:

INDEX NUMBER: 85100

SOURCE: BIOCHIMICA ET BIOPHYSICA ACTA, NO. 838, PP. 98-105

SUBJECT CATEGORIES

END POINTS

SPECIES

UNCONVENTIONAL MAGNETIC FIELDS

BIOCHEMISTRY
CELL SYSTEMS
EMBRYOLOGY
MITOTIC CYCLE

DOMESTIC FOWL

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ELF BIOLOGICAL EFFECTS LITERATURE DATABASE

AUTHOR(S): MURRAY, M.E.

TITLE: VIDEO DISPLAY TERMINALS: RADIATION ISSUES

PUBLICATION DATE: APRIL 1984

LANGUAGE:

ABSTRACT:

INDEX NUMBER: 84078

SOURCE: IEEE COMPUTER GRAPHICS APPLICATIONS, VOL. 4, NO. 4, PP. 41-44

SUBJECT CATEGORIES

END POINTS

SPECIES

AC ELECTRIC FIELDS

APPLIANCE FIELDS
OCCUPATIONAL HEALTH

HUMANS

161

AUTHOR(S): MUSAEV, A.V.

TITLE: THE EFFECTIVENESS OF PULSATING MAGNETIC FIELD IN PATIENTS WITH DISTURBED CEREBROSPINAL CIRCULATION ACCORDING TO THE DATA OF GLOBAL AND STIMULATING ELECTROENKEPHALOGRAPHY

PUBLICATION DATE: JAN-FEBRUARY 1985

LANGUAGE: RUSSIAN

ABSTRACT: ENGLISH

INDEX NUMBER: 85083

SOURCE: VOPIR. KURDOR. KURORTOR. FIZIOTER. LECH FIZ. KULT., NO. 1, PP. 40-43

SUBJECT CATEGORIES

END POINTS

SPECIES

UNCONVENTIONAL MAGNETIC FIELDS
CLINICAL MEDICINE

HUMANS

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ELF BIOLOGICAL EFFECTS LITERATURE DATABASE

AUTHOR(S): MYERS, R.D. ROSS, D.H.

TITLE: RADIATION AND BRAIN CALCIUM: A REVIEW AND CRITIQUE

PUBLICATION DATE: 1981

LANGUAGE:

ABSTRACT:

INDEX NUMBER: 81004

SOURCE: BIOBEHAVIORAL REVIEWS, VOL 5, PP. 503-543

SUBJECT CATEGORIES

END POINTS

SPECIES

AC ELECTRIC FIELDS
AC MAGNETIC FIELDS

ASSESSMENT METHODS
BEHAVIOR
BRAIN SYSTEM
CALCIUM EFFLUX
CELL COMMUNICATIONS
CELL SYSTEMS
LITERATURE REVIEW
MECHANISMS
NEUROPHYSIOLOGY
WINDOW EFFECT

CATS
DOMESTIC FOWL
PRIMATES
SMALL MAMMALS

AUTHOR(S): MAHODA, J. KOUDELA, K. FREYDOVA, J.

TITLE: HEALING OF PSEUDOPATHROSES OF THE LONG BONES BY MEANS OF A PULSATING ELECTROMAGNETIC FIELD

PUBLICATION DATE: APRIL 1984

LANGUAGE: CZECH

ABSTRACT: ENGLISH

INDEX NUMBER: 84099

SOURCE: ACTA CHIR. ORTHOP. TRAUMATOL. CZECH., VOL. 51, NO. 2, PP. 38-44

SUBJECT CATEGORIES

END POINTS

SPECIES

UNCONVENTIONAL MAGNETIC FIELDS

BONE GROWTH/REPAIR
CLINICAL MEDICINE

HUMANS

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ELF BIOLOGICAL EFFECTS LITERATURE DATABASE

AUTHOR(S): MANNMARK, U. BUCH, F. ALBREKTSSON, T.

TITLE: VASCULAR REACTIONS DURING ELECTRIC STIMULATION

PUBLICATION DATE: 1985

LANGUAGE:

ABSTRACT:

INDEX NUMBER: 85101

SOURCE: ACTA ORTHOP SCAND, VOL. 56, PP. 52-56

SUBJECT CATEGORIES

END POINTS

SPECIES

UNCONVENTIONAL MAGNETIC FIELDS

BIOCHEMISTRY

CELL SYSTEMS

TISSUE CULTURES

SMALL MAMMALS

AUTHOR(S): WIENI, S.J. HANDWISKI, J.M.

TITLE: ELF COMMUNICATIONS SYSTEM ECOLOGICAL MONITORING PROGRAM: BIRD SPECIES AND COMMUNITIES: THE PILOT PHASE OF THE WISCONSIN AND MICHIGAN STUDY SITES

PUBLICATION DATE: JUNE 1985

LANGUAGE:

ABSTRACT:

INDEX NUMBER: 85137

SOURCE: COMPILATION OF 1984 ANNUAL REPORTS OF THE NAVY ELF COMMUNICATIONS SYSTEM ECOLOGICAL MONITORING PROGRAM, VOL. 2, TAB K, IIT RESEARCH INSTITUTE REPORT ED6349-17

SUBJECT CATEGORIES

END POINTS

SPECIES

AC ELECTRIC FIELDS
AC MAGNETIC FIELDS

ASSESSMENT METHODS
ECOLOGY STUDIES
MIGRATION
POPULATION DYNAMICS
SPECIES DIVERSITY

AVIANS

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ELF BIOLOGICAL EFFECTS LITERATURE DATABASE

AUTHOR(S): MIKOLOVA, L. POPOV, A. KLOUCHEK, E.

TITLE: THE EFFECT OF INTERFERENCE CURRENT AND LOW FREQUENCY MAGNETIC FIELD ON TISSUE REGENERATION

PUBLICATION DATE: MAY-JUNE 1984

LANGUAGE: RUSSIAN

ABSTRACT: ENGLISH

INDEX NUMBER: 84079

SOURCE: VOPR. KURORTOL. FIZIOTER. LECH FIZ. KULT., NO. 3, PP. 19-23

SUBJECT CATEGORIES

UNSPECIFIED FIELDS

WOUND HEALING

END POINTS

SPECIES

SMALL MAMMALS

AUTHOR(S): NODA, M. SATO, A. ISHIBE, Y. FURUYA, K. ISHIDA, A.

TITLE: EFFECTS OF PULSED ELECTROMAGNETIC FIELDS ON CULTURED CHICK EMBRYONIC FEMORA

PUBLICATION DATE: SEPTEMBER 1982

LANGUAGE:

ABSTRACT: YES

INDEX NUMBER: 82022

SOURCE: TRANSACTIONS OF THE SECOND ANNUAL MEETING OF THE BIOELECTRICAL REPAIR AND GROWTH SOCIETY, P. 57

SUBJECT CATEGORIES

UNCONVENTIONAL MAGNETIC FIELDS

DNA
EMBRYOLOGY

END POINTS

SPECIES

DOMESTIC FOWL

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ELF BIOLOGICAL EFFECTS LITERATURE DATABASE

AUTHOR(S): NORDENSON, I. HANSSON-MILD, K. NORDSTROM, S. SWEINS, A. BIRYE, E.

TITLE: CLASTOGENIC EFFECTS IN HUMAN LYMPHOCYTES OF POWER FREQUENCY ELECTRIC FIELDS: IN VIVO AND IN VITRO STUDIES

PUBLICATION DATE: 1984

LANGUAGE:

ABSTRACT:

INDEX NUMBER: 84080

SOURCE: RADIATION AND ENVIRONMENTAL BIOPHYSICS, VOL. 23, NO. 3, PP. 191-201

SUBJECT CATEGORIES	END POINTS	SPECIES
AC ELECTRIC FIELDS UNCONVENTIONAL ELECTRIC FIELDS BIOCHEMISTRY CELL SYSTEMS CHROMOSOME BREAKS CURRENT DENSITY HUMAN HEALTH LEUKEMIA OCCUPATIONAL HEALTH		HUMANS

AUTHOR(S): NORDENSON, I. MILD, K.H.

TITLE: CHROMOSOMAL ABERRATIONS IN 400-KV-SUBSTATION WORKERS

PUBLICATION DATE: JUNE 1985

LANGUAGE:

ABSTRACT: YES

INDEX NUMBER: 85022

SOURCE: BIOELECTROMAGNETICS SOCIETY 7TH ANNUAL MEETING

SUBJECT CATEGORIES	END POINTS	SPECIES
AC ELECTRIC FIELDS BIOCHEMISTRY CELL SYSTEMS EPIDEMIOLOGY HUMAN HEALTH OCCUPATIONAL HEALTH SPERM DISCHARGE		HUMANS

PAGE 158 ELF BIOLOGICAL EFFECTS LITERATURE DATABASE

AUTHOR(S): MORTON, L.A.

TITLE: EFFECTS OF ELECTROMAGNETIC PERTURBATION ON MIXED CULTURE OF CHONDROBLASTS AND FIBROBLASTS

PUBLICATION DATE: NOVEMBER 1981

LANGUAGE:

ABSTRACT: YES

INDEX NUMBER: 81016

SOURCE: TRANSACTIONS OF THE FIRST ANNUAL MEETING OF THE BIOELECTRICAL REPAIR AND GROWTH SOCIETY, P. 30

SUBJECT CATEGORIES

END POINTS

SPECIES

UNCONVENTIONAL MAGNETIC FIELDS

EMBRYOLOGY
TISSUE CULTURES

DOMESTIC FOWL

AUTHOR(S): MORTON, L.A. HANLEY, K.J. TURKIEWICZ, J.

TITLE: BIOELECTRIC PERTURBATIONS OF BONE. RESEARCH DIRECTIONS AND CLINICAL APPLICATIONS

PUBLICATION DATE: JANUARY 1984

LANGUAGE:

ABSTRACT:

INDEX NUMBER: 84041

SOURCE: THE AMERICAN ORTHODONTIST, VOL. 54, NO. 1, PP. 73-87

SUBJECT CATEGORIES

END POINTS

SPECIES

UNCONVENTIONAL MAGNETIC FIELDS

BONE GROWTH/REPAIR
CELL SYSTEMS
CLINICAL MEDICINE
LITERATURE REVIEW
MECHANISMS
ORAL MEDICINE
TISSUE CULTURES

HUMANS
SMALL MAMMALS

PAGE 159

ELF BIOLOGICAL EFFECTS LITERATURE DATABASE

AUTHOR(S): OHASHI, T. INOUE, S. SASAKI, M. ASHIHARA, T.

TITLE: THE SIDE EFFECTS TO THE INTERNAL ORGANS OF PULSING ELECTROMAGNETIC FIELDS

PUBLICATION DATE: SEPTEMBER 1982

LANGUAGE:

ABSTRACT: YES

INDEX NUMBER: 82033

SOURCE: TRANSACTIONS OF THE SECOND ANNUAL MEETING OF THE BIOELECTRICAL REPAIR AND GROWTH SOCIETY, P. 17

SUBJECT CATEGORIES

END POINTS

SPECIES

UNSPECIFIED FIELDS

PATHOLOGY
PHYSIOLOGY

SMALL MAMMALS

AUTHOR(S): OLIN, R. VAGERO, D. AHLBOM, A.

TITLE: MORTALITY EXPERIENCE OF ELECTRICAL ENGINEERS

PUBLICATION DATE: MARCH 1985

LANGUAGE:

ABSTRACT:

INDEX NUMBER: 85069

SOURCE: BRITISH JOURNAL OF INDUSTRIAL MEDICINE, VOL. 42, NO. 3, PP. 211-212

SUBJECT CATEGORIES

END POINTS

SPECIES

UNSPECIFIED FIELDS

CANCER
EPIDEMIOLOGY
HUMAN HEALTH
LEUKEMIA
MORTALITY
OCCUPATIONAL HEALTH
PUBLIC HEALTH

HUMANS

ELF BIOLOGICAL EFFECTS LITERATURE DATABASE

PAGE 160

AUTHOR(S): OLSEN, R.G. JAFFA, K.C.

TITLE: ELECTROMAGNETIC COUPLING FROM POWER LINES AND MAGNETIC FIELD SAFETY ANALYSIS

PUBLICATION DATE: DECEMBER 1984

LANGUAGE:

ABSTRACT:

INDEX NUMBER: 84020

SOURCE: IEEE TRANSACTIONS ON POWER APPARATUS AND SYSTEMS, VOL. PAS-103, NO. 12, PP. 3595-3607

SUBJECT CATEGORIES

END POINTS

SPECIES

AC ELECTRIC FIELDS
AC MAGNETIC FIELDS

BODY-GROUND IMPEDANCE
BODY CURRENT
ELECTRIC SHOCK
FIELD EQUATIONS
INDUCTIVE COUPLING

HUMANS

AUTHOR(S): ORGEL, M.G. O'BRIEN, M.J. MURRAY, M.M.

TITLE: PULSING ELECTROMAGNETIC FIELD THERAPY IN NERVE REGENERATION: AN EXPERIMENTAL STUDY IN THE CAT

PUBLICATION DATE: FEBRUARY 1984

LANGUAGE:

ABSTRACT:

INDEX NUMBER: 84042

SOURCE: PLASTIC AND RECONSTRUCTIVE SURGERY, VOL. 73, NO. 2, PP. 173-182

SUBJECT CATEGORIES

END POINTS

SPECIES

UNCONVENTIONAL MAGNETIC FIELDS

NEUROPHYSIOLOGY

CATS

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ELF BIOLOGICAL EFFECTS LITERATURE DATABASE

AUTHOR(S): ORLOV, L.L. ALEYSEEVA, N.P. GALUZA, G.I. SLUTSKY, I.I. DROZDOV, Y.F. BERLIN, Y.V. RUVIN, G.M. MOZEL, A.I.

TITLE: HEMODYNAMIC AND HUMORAL MECHANISMS OF A THERAPEUTIC EFFECT OF "TRAVELLING" IMPULSE MAGNETIC FIELD IN ESSENTIAL HYPERTENSION

PUBLICATION DATE: JAN-FEBRUARY 1985

LANGUAGE: RUSSIAN

ABSTRACT: ENGLISH

INDEX NUMBER: B5084

SOURCE: VOPR. KURORTOL. FIZIOTER. LECH FIZ. KULT. NO. 1, PP. 23-27

SUBJECT CATEGORIES

UNCONVENTIONAL MAGNETIC FIELDS

CARDIOVASCULAR FUNCTION

CLINICAL MEDICINE

STRESS RESPONSE

END POINTS

SPECIES

HUMANS

AUTHOR(S): ORR, J.L. ROGERS, M.R.

TITLE: DETERMINATION OF THE THRESHOLD INTENSITY FOR DETECTION OF 60-HZ ELECTRIC FIELDS BY BABOONS

PUBLICATION DATE: JUNE 1985

LANGUAGE:

ABSTRACT: YES

INDEX NUMBER: B5052

SOURCE: BIOELECTROMAGNETICS SOCIETY 7TH ANNUAL MEETING

SUBJECT CATEGORIES

AC ELECTRIC FIELDS

PERCEPTION

PSYCHOLOGY

END POINTS

SPECIES

HUMANS

PRIMATES

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ELF BIOLOGICAL EFFECTS LITERATURE DATABASE

AUTHOR(S): OTTANI, V. MONTI, M.G. MOROCUTTI, M. FERRI, M. STROCCHI, R. RUGGERI, A. BARBIROLI, B.

TITLE: INFLUENCE OF PULSED ELECTROMAGNETIC FIELDS ON REGENERATING RAT LIVER AFTER PARTIAL HEPATECTOMY

PUBLICATION DATE: SEPTEMBER 1984

LANGUAGE:

ABSTRACT:

INDEX NUMBER: 84043

SOURCE: JOURNAL OF ANATOMY, NO. 139, PART 2, PP. 253-263

SUBJECT CATEGORIES

END POINTS

SPECIES

UNCONVENTIONAL MAGNETIC FIELDS

BIOCHEMISTRY
CELL SYSTEMS
PATHOLOGY
PHYSIOLOGY

SMALL MAMMALS

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AUTHOR(S): OTTANI, V. MONTI, M.G. PICCININI, G. PERNECCO, L. ZANTOL, P. RUGGERI, A. BARBIROLI, B.

TITLE: PULSED ELECTROMAGNETIC FIELDS INCREASE THE RATE OF RAT LIVER REGENERATION AFTER PARTIAL HEPATECTOMY

PUBLICATION DATE: SEPTEMBER 1984

LANGUAGE:

ABSTRACT:

INDEX NUMBER: 84044

SOURCE: PROCEEDINGS OF THE SOCIETY FOR EXPERIMENTAL BIOLOGY AND MEDICINE, VOL. 176, NO. 4, PP. 371-377

SUBJECT CATEGORIES

END POINTS

SPECIES

UNCONVENTIONAL MAGNETIC FIELDS

BIOCHEMISTRY
CELL SYSTEMS
PATHOLOGY
PHYSIOLOGY

SMALL MAMMALS

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ELF BIOLOGICAL EFFECTS LITERATURE DATABASE

AUTHOR(S): PATEL, N.B. FOO, M.M.

TITLE: PERTURBATION OF THE DIRECTION OF NEURITE GROWTH BY PULSED AND FOCAL ELECTRIC FIELDS

PUBLICATION DATE: DECEMBER 1984

LANGUAGE:

ABSTRACT:

INDEX NUMBER: 84081

SOURCE: THE JOURNAL OF NEUROSCIENCE, VOL. 4, NO. 12, PP. 2939-2947

SUBJECT CATEGORIES

END POINTS

SPECIES

UNCONVENTIONAL ELECTRIC FIELDS

CELL SYSTEMS

CURRENT DENSITY

MITOTIC CYCLE

ORIENTATION

TISSUE CULTURES

UNSPECIFIED

AUTHOR(S): PEARCE, M.E. SHEPPARD, R.A. HOWARD, J.K. FRASER, J. LILLEY, B.M.

TITLE: LEUKAEMIA IN ELECTRICAL WORKERS IN NEW ZEALAND (LETTER TO THE EDITOR)

PUBLICATION DATE: APRIL 1985

LANGUAGE:

ABSTRACT:

INDEX NUMBER: 85002

SOURCE: THE LANCET

SUBJECT CATEGORIES

END POINTS

SPECIES

UNSPECIFIED FIELDS

CANCER

LEUKEMIA

OCCUPATIONAL HEALTH

HUMANS

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ELF BIOLOGICAL EFFECTS LITERATURE DATABASE

AUTHOR(S): FERRY, D.E. CHARTIER, V.L. REINER, G.L.

TITLE: BPA 110KV TRANSMISSION SYSTEM DEVELOPMENT CORONA AND ELECTRIC FIELD STUDIES

PUBLICATION DATE: SEP-OCTOBER 1979

LANGUAGE:

ABSTRACT:

INDEX NUMBER: 78905

SOURCE: IEEE TRANSACTIONS ON POWER APPARATUS AND SYSTEMS, VOL. PAS-98, NO. 5, PP. 1728-1738

SUBJECT CATEGORIES

END POINTS

SPECIES

AC ELECTRIC FIELDS

ELECTRIC FIELD MEASUREMENTS

UNSPECIFIED

AUTHOR(S): PERSINGER, M.A.

TITLE: GEOPHYSICAL VARIABLES AND BEHAVIOR: XIII. THE TECTOGENIC STRAIN CONTINUUM OF UNUSUAL EVENTS

PUBLICATION DATE: 1985

LANGUAGE:

ABSTRACT:

INDEX NUMBER: 85107

SOURCE: PERCEPTUAL AND MOTOR SKILLS, NO. 60, PP. 59-65

SUBJECT CATEGORIES

END POINTS

SPECIES

GEOMAGNETIC FIELDS

BEHAVIOR
MECHANISMS
PSYCHOLOGY

HUMANS

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ELF BIOLOGICAL EFFECTS LITERATURE DATABASE

AUTHOR(S): PHILLIPS, R.D.

TITLE: BIOLOGICAL RESPONSE OF MAMMALS TO ELF ELECTROMAGNETIC FIELDS

PUBLICATION DATE: AUGUST 1981

LANGUAGE:

ABSTRACT: YES

INDEX NUMBER: B1008

SOURCE: INTERNATIONAL UNION OF RADIO SCIENCE, 20TH GENERAL ASSEMBLY, P. 14

SUBJECT CATEGORIES

END POINTS

SPECIES

AC ELECTRIC FIELDS
AC MAGNETIC FIELDS
CALCIUM EFFLUX
CIRCADIAN RHYTHMS
LITERATURE REVIEW
MECHANISMS

HUMANS
LARGE MAMMALS

AUTHOR(S): PHILLIPS, R.D. GILLIS, M.F. BEAVER, J.L. ALLEN, C.H. PAUNE, M.T. DECKER, J.R. JEFFS, T.W. RAGAN, H.A.

TITLE: EFFECTS OF ELECTRIC FIELDS ON LARGE ANIMALS

PUBLICATION DATE: FEBRUARY 1979

LANGUAGE:

ABSTRACT:

INDEX NUMBER: 79010

SOURCE: ELECTRIC POWER RESEARCH INSTITUTE, REPORT EA-331, FOURTH INTERIM REPORT BY BATTELLE PACIFIC NORTHWEST LABORATORIES

SUBJECT CATEGORIES

END POINTS

SPECIES

AC ELECTRIC FIELDS
BIOCHEMISTRY
DOSEMETRY
EXPOSURE FACILITIES
FERTILITY
GENETICS
GROWTH AND DEVELOPMENT
PATHOLOGY
PHANTOM MODELS
PHYSIOLOGY
REPRODUCTION

SCALING FACTORS

LIVESTOCK
HUMANS

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ELF BIOLOGICAL EFFECTS LITERATURE DATABASE

AUTHOR(S): PHILLIPS, R.D. GILLIS, M.F. RICHARDSON, R.L. ALLEN, C.H. KAUNE, M.T. BEAVER, J.L. JEFFS, T.W. DECKER, J.R.

TITLE: EFFECTS OF ELECTRIC FIELDS ON LARGE ANIMALS

PUBLICATION DATE: JUNE 1977

LANGUAGE:

ABSTRACT:

INDEX NUMBER: 77002

SOURCE: ELECTRIC POWER RESEARCH INSTITUTE SECOND INTERIM REPORT EA-458 BY BATELLE PACIFIC NORTHWEST LABORATORIES

SUBJECT CATEGORIES

AC ELECTRIC FIELDS

BIOCHEMISTRY

DOSIMETRY

EXPOSURE FACILITIES

FERTILITY

GROWTH AND DEVELOPMENT

PHANTOM MODELS

END POINTS

SPECIES

LARGE MAMMALS

AUTHOR(S): FILLA, A.A. NORTON, L. TANSMAN, L.

TITLE: PULSATILE ELECTROMAGNETICALLY INDUCED CURRENTS SYNERGIZE WITH POLYMER IMMUNOMODULATING DRUGS IN THE INHIBITION OF GROWTH OF MURINE MALIGNANT MELANOMA

PUBLICATION DATE: SEPTEMBER 1982

LANGUAGE:

ABSTRACT: YES

INDEX NUMBER: 82014

SOURCE: TRANSACTIONS OF THE SECOND ANNUAL MEETING OF THE BIOELECTRICAL REPAIR AND GROWTH SOCIETY, P.16

SUBJECT CATEGORIES

UNCONVENTIONAL MAGNETIC FIELDS

CANCER

CURRENT DENSITY

IMMUNOLOGY

MORTALITY

END POINTS

SPECIES

SMALL MAMMALS

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ELF BIOLOGICAL EFFECTS LITERATURE DATABASE

AUTHOR(S): PILLA, A.A. COLACICCO, G.

TITLE: ELECTROMAGNETIC MODULATION OF CALCIUM UPTAKE IN EMBRYONIC CHICK TIBIA IN VITRO: DEPENDENCE ON INDUCED CURRENT WAVEFORM PARAMETERS

PUBLICATION DATE: SEPTEMBER 1982

LANGUAGE:

ABSTRACT: YES

INDEX NUMBER: 82036

SOURCE: TRANSACTIONS OF THE SECOND ANNUAL MEETING OF THE BIOELECTRICAL REPAIR AND GROWTH SOCIETY, P. 30

SUBJECT CATEGORIES

UNCONVENTIONAL MAGNETIC FIELDS

BONE GROWTH/REPAIR
CALCIUM EFFLUX
EMBRYOLOGY

END POINTS

SPECIES

DOMESTIC FOWL

175

AUTHOR(S): PILLA, A.A. GARY, K.

TITLE: ELECTROMAGNETIC MODULATION OF ENZYME FUNCTION: APPLICATION TO NA-K ATPASE IN HUMAN ERYTHROCYTES

PUBLICATION DATE: SEPTEMBER 1982

LANGUAGE:

ABSTRACT: YES

INDEX NUMBER: 82040

SOURCE: TRANSACTIONS OF THE SECOND ANNUAL MEETING OF THE BIOELECTRICAL REPAIR AND GROWTH SOCIETY, P. 4

SUBJECT CATEGORIES

UNSPECIFIED FIELDS

BIOCHEMISTRY
CELL SYSTEMS
CURRENT DENSITY

END POINTS

SPECIES

HUMANS

PAGE 168 ELF BIOLOGICAL EFFECTS LITERATURE DATABASE

AUTHOR(S): PONDAREV, Y.T. SOROKINA, E.I. BOBKOVA, A.S. DAVYDOVA, O.B. KOROVINA, E.G. KACHYINBREV, K.A.

TITLE: HYDROCORTISONE AND ALDOSTERONE CONTENT IN THE BLOOD OF PATIENTS WITH CORONARY HEART DISEASE IN THE TREATMENT WITH MAGNETIC FIELD

PUBLICATION DATE: MARCH-APRIL 1984

LANGUAGE: RUSSIAN

ABSTRACT: ENGLISH

INDEX NUMBER: 84082

SOURCE: VOPR. KURORTOV. FIZIOTER. LECH FIZ. KULT., NO. 2, PP. 33-35

SUBJECT CATEGORIES

END POINTS

SPECIES

UNSPECIFIED FIELDS

CARDIOVASCULAR FUNCTION
CLINICAL MEDICINE

HUMANS

===== AUTHOR(S): PONTE, L.

TITLE: THE MENACE OF ELECTRIC SMOG

PUBLICATION DATE: JANUARY 1980

LANGUAGE:

ABSTRACT:

INDEX NUMBER: 80002

SOURCE: READER'S DIGEST, PP. 65-69

SUBJECT CATEGORIES

END POINTS

SPECIES

UNSPECIFIED FIELDS

HUMAN HEALTH
LEUKEMIA
LITERATURE REVIEW
PHYSIOLOGY
PUBLIC HEALTH

HUMANS
SMALL MAMMALS

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ELF BIOLOGICAL EFFECTS LITERATURE DATABASE

AUTHOR(S): POPOVICH, V.M. KOZIARIN, I.P.

TITLE: EFFECT OF ELECTROMAGNETIC ENERGY OF INDUSTRIAL FREQUENCY ON THE HUMAN AND ANIMAL NERVOUS SYSTEM

PUBLICATION DATE: NOVEMBER 1977

LANGUAGE: RUSSIAN

ABSTRACT: ENGLISH

INDEX NUMBER: 77019

SOURCE: VRACHEBNOE DELO, PP. 128-131

SUBJECT CATEGORIES

AC ELECTRIC FIELDS

EXPOSURE STANDARDS

HUMAN HEALTH

OCCUPATIONAL HEALTH

END POINTS

SPECIES

HUMANS

AUTHOR(S): PORTET, R.

TITLE: STUDY OF THE THYROID AND ADRENALS OF RATS EXPOSED DAILY TO SEVERE ELECTRIC FIELDS

PUBLICATION DATE: 1983

LANGUAGE: FRENCH

ABSTRACT: ENGLISH

INDEX NUMBER: 83011

SOURCE: SOCIETE DE BIOLOGIE, NO. 177, PP. 290-295

SUBJECT CATEGORIES

UNSPECIFIED FIELDS

BIOCHEMISTRY

END POINTS

SPECIES

SMALL MAMMALS

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ELF BIOLOGICAL EFFECTS LITERATURE DATABASE

AUTHOR(S): PORTET, R. CABANES, J. PERRE, J. DELOST, H.

TITLE: DEVELOPMENT OF YOUNG RABBITS EXPOSED TO AN INTENSE ELECTRIC FIELD

PUBLICATION DATE: 1984

LANGUAGE: FRENCH

ABSTRACT: ENGLISH

INDEX NUMBER: 84093

SOURCE: C.R. SOCIETE DE BIOLOGIE, VOL. 178, NO. 2, PP. 142-152

SUBJECT CATEGORIES

END POINTS

SPECIES

AC ELECTRIC FIELDS

GROWTH AND DEVELOPMENT

SMALL MAMMALS

178

AUTHOR(S): POSTOLATY, V.M. PUTVATIN, S.P.

TITLE: POSSIBILITY OF ATTENUATING THE ECOLOGICAL EFFECTS OF ALTERNATING CURRENT POWER LINES AS A RESULT OF NEW DESIGNS AND CIRCUIT CHANGES

PUBLICATION DATE: 1978

LANGUAGE:

ABSTRACT:

INDEX NUMBER: 78020

SOURCE: IZVESTIYA AKADEMII NAUK MOLDAVSKOY SSR, SERIYA FIZIKO-TEKHNICHESKIY I MATEMATICHESKIY NAUK, NO. 1, PP. 73-79

SUBJECT CATEGORIES

END POINTS

SPECIES

AC ELECTRIC FIELDS

EXPOSURE STANDARDS

FIELD EQUATIONS

OCCUPATIONAL HEALTH

PUBLIC HEALTH

HUMANS

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ELF BIOLOGICAL EFFECTS LITERATURE DATABASE

AUTHOR(S): POZNANIAY, D.T. BANYSKYE, J.W. MATHEWS, H.G.

TITLE: SIMULATION OF TRANSMISSION LINE GROUND LEVEL GRADIENT FOR BIOLOGICAL STUDIES ON SMALL PLANTS AND ANIMALS

PUBLICATION DATE: JULY 1977

LANGUAGE:

ABSTRACT:

INDEX NUMBER: 77033

SOURCE: IEEE POWER ENGINEERING SOCIETY SUMMER MEETING, PAPER A 77 718-0

SUBJECT CATEGORIES

END POINTS

SPECIES

AC ELECTRIC FIELDS

EXPOSURE FACILITIES

FIELD EQUATIONS

SCALING FACTORS

PLANTS

SMALL MAMMALS

AUTHOR(S): PRIUZIAN, L.A. KSHUTASHVILI, T.S.H. MAKPOVA, O.V. LAZAREV, A.V. VUZNETSOV, A.N.

TITLE: ACTION OF A LOW-FREQUENCY MAGNETIC FIELD ON MYOCARDIAL CONTRACTILITY

PUBLICATION DATE: 1983

LANGUAGE: RUSSIAN

ABSTRACT: ENGLISH

INDEX NUMBER: 83010

SOURCE: DOKLADY AKADEMII NAUK SSR, VOL. 270, NO. 6, PP. 1486-1489

SUBJECT CATEGORIES

END POINTS

SPECIES

AC ELECTRIC FIELDS

HEART RATE

TISSUE CULTURES

PLANTS

SMALL MAMMALS

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ELF BIOLOGICAL EFFECTS LITERATURE DATABASE

AUTHOR(S): PROKHVATILLO, V.E.V.

TITLE: INFLUENCE OF INDUSTRIAL FREQUENCY ELECTROMAGNETIC FIELD ON HEART FUNCTIONAL POTENTIALITIES

PUBLICATION DATE: 1977

LANGUAGE: RUSSIAN

ABSTRACT: ENGLISH

INDEX NUMBER: 77014

SOURCE: VRACHEBNOE DELO, NO. 7, PP. 141-143

SUBJECT CATEGORIES

END POINTS

SPECIES

UNSPECIFIED FIELDS

HEART RATE

SMALL MAMMALS

AUTHOR(S): PROKHVATILLO, V.V. DUMANSKIY, Y.D. AYMENKO, V.Y.

TITLE: INVESTIGATION OF BIOLOGICAL EFFECTS OF LOW-FREQUENCY AND STATIC ELECTROMAGNETIC FIELDS (EMF) -- A SCIENTIFIC SURVEY OF THE LITERATURE

PUBLICATION DATE: 1981

LANGUAGE:

ABSTRACT:

INDEX NUMBER: 81025

SOURCE: US-USSR WORKSHOP ON PHYSICAL FACTORS, MICROWAVES & LOW FREQUENCY FIELDS, PP. 233-243

SUBJECT CATEGORIES

END POINTS

SPECIES

AC ELECTRIC FIELDS

AESTHETIC SYNDROME

MECHANISMS

HUMANS

BIOCHEMISTRY

METABOLISM

SMALL MAMMALS

CARDIOVASCULAR FUNCTION

NEUROPHYSIOLOGY

CELL SYSTEMS

OCCUPATIONAL HEALTH

ELECTRIC SHOCK

PHYSIOLOGY

ENDOCRINOLOGY

PUBLIC HEALTH

EXPOSURE STANDARDS

STRESS RESPONSE

HUMAN HEALTH

IMMUNOLOGY

LITERATURE REVIEW

PAGE 173

ELF BIOLOGICAL EFFECTS LITERATURE DATABASE

AUTHOR(S): QUINLAN, M.J. THOMPSON, R.A.E. MICHAELSON, S.M. LEBDA, N.A. PETTIT, S. CATALLO, M.

TITLE: NEUROENDOCRINE RESPONSE OF CANNULATED RATS SUBJECTED TO ELECTRIC FOOTSHOCK OR 60 HZ ELECTRIC FIELDS

PUBLICATION DATE: JUNE 1985

LANGUAGE:

ABSTRACT: YES

INDEX NUMBER: 85026

SOURCE: BIOELECTROMAGNETICS SOCIETY 7TH ANNUAL MEETING

SUBJECT CATEGORIES

AC ELECTRIC FIELDS

BIOCHEMISTRY

BODY CURRENT

ELECTRIC SHOCK

NEUROPHYSIOLOGY

END POINTS

SPECIES

SMALL MAMMALS

AUTHOR(S): RAJ, A.M.

TITLE: AN EXPERIMENTAL STUDY OF THE EFFECTS OF PULSED ELECTROMAGNETIC FIELD (DIAPULSE) ON NERVE REPAIR

PUBLICATION DATE: JUNE 1984

LANGUAGE:

ABSTRACT:

INDEX NUMBER: 84083

SOURCE: THE JOURNAL OF HAND SURGERY, VOL. 90B, NO. 2, PP. 105-112

SUBJECT CATEGORIES

UNSPECIFIED FIELDS

WOUND HEALING

END POINTS

SPECIES

SMALL MAMMALS

ELF BIOLOGICAL EFFECTS LITERATURE DATABASE

PAGE 174

AUTHOR(S): RAKSHIT, A.K.

TITLE: A PILOT STUDY OF A CASE OF LONG STANDING DEGENERATIVE O.A. (OSTEOARTHRITIS) OF BOTH HIPS

PUBLICATION DATE: SEPTEMBER 1982

LANGUAGE:

ABSTRACT: YES

INDEX NUMBER: 82028

SOURCE: TRANSACTIONS OF THE SECOND ANNUAL MEETING OF THE BIOELECTRICAL REPAIR AND GROWTH SOCIETY, P. 82

SUBJECT CATEGORIES

END POINTS

SPECIES

UNCONVENTIONAL MAGNETIC FIELDS BONE GROWTH/REPAIR

UNSPECIFIED

AUTHOR(S): REILLY, J.P.

TITLE: ELECTRIC AND MAGNETIC FIELD COUPLING FROM HIGH VOLTAGE AC POWER TRANSMISSION LINES -- CLASSIFICATION OF SHORT-TERM EFFECTS ON PEOPLE

PUBLICATION DATE: NOV-DECEMBER 1978

LANGUAGE:

ABSTRACT:

INDEX NUMBER: 78008

SOURCE: IEEE TRANSACTIONS ON POWER APPARATUS AND SYSTEMS, VOL. PAS-97, NO. 6, PP. 2243-2252

SUBJECT CATEGORIES

END POINTS

SPECIES

AC ELECTRIC FIELDS
AC MAGNETIC FIELDS
AVERSION
BODY CURRENT
ELECTRIC SHOCK
EXPOSURE STANDARDS
INDUCTIVE COUPLING
PERCEPTION
SPARK DISCHARGE

HUMANS

ELF BIOLOGICAL EFFECTS LITERATURE DATABASE

PAGE 175

AUTHOR(S): REILLY, J.P.

TITLE: ELECTRIC AND MAGNETIC FIELD EFFECTS FROM 500-KV TRANSMISSION LINES

PUBLICATION DATE: JANUARY 1979

LANGUAGE:

ABSTRACT:

INDEX NUMBER: 79013

SOURCE: JOHNS HOPKINS UNIVERSITY APPLIED PHYSICS LABORATORY REPORT, PPSE 6-2A

SUBJECT CATEGORIES	END POINTS	SPECIES
AC ELECTRIC FIELDS	ASSESSMENT METHODS	HUMANS
AC MAGNETIC FIELDS	ELECTRIC SHOCK	
	INDUCTIVE COUPLING	
	PERCEPTION	
	SPARK DISCHARGE	

AUTHOR(S): REILLY, J.P.

TITLE: ELECTRIC FIELD INDUCTION ON LONG OBJECTS -- A METHODOLOGY FOR TRANSMISSION LINE IMPACT STUDIES

PUBLICATION DATE: NOV-DECEMBER 1979

LANGUAGE:

ABSTRACT:

INDEX NUMBER: 79015

SOURCE: IEEE TRANSACTIONS ON POWER APPARATUS AND SYSTEMS, VOL. PAS-98, NO. 6, PP. 1841-1852

SUBJECT CATEGORIES	END POINTS	SPECIES
AC ELECTRIC FIELDS	BODY CURRENT	HUMANS
	ELECTRIC FIELD MEASUREMENTS	
	FIELD EQUATIONS	
	INDUCTIVE COUPLING	
	SPARK DISCHARGE	

PAGE 176 ELF BIOLOGICAL EFFECTS LITERATURE DATABASE

AUTHOR(S): REILLY, J.F.

TITLE: ELECTRIC FIELD INDUCTION ON SAILBOATS AND VERTICAL POLES

PUBLICATION DATE: JULY 1977

LANGUAGE:

ABSTRACT:

INDEX NUMBER: 77034

SOURCE: IEEE POWER ENGINEERING SOCIETY SUMMER MEETING, PAPER F 77 720-6

SUBJECT CATEGORIES

END POINTS

SPECIES

AC ELECTRIC FIELDS

ELECTRIC SHOCK
INDUCTIVE COUPLING

HUMANS

AUTHOR(S): REILLY, J.P.

TITLE: ELECTRIC FIELD INDUCTION ON LONG OBJECTS -- A METHODOLOGY FOR TRANSMISSION LINE IMPACT STUDIES

PUBLICATION DATE: NOV-DECEMBER 1979

LANGUAGE:

ABSTRACT:

INDEX NUMBER: 79020

SOURCE: IEEE TRANSACTIONS ON POWER APPARATUS AND SYSTEMS, VOL. PAS-98, NO. 6, PP. 1841-1852

SUBJECT CATEGORIES

END POINTS

SPECIES

AC ELECTRIC FIELDS

ELECTRIC SHOCK
FIELD EQUATIONS
INDUCTIVE COUPLING

HUMANS

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ELF BIOLOGICAL EFFECTS LITERATURE DATABASE

AUTHOR(S): REILLY, J.P. CMIKLEWSKI, M.

TITLE: A REALISTIC CASE-ANALYSIS OF ELECTRIC-FIELD INDUCTION ON VEHICLES NEAR AC TRANSMISSION LINES

PUBLICATION DATE: OCTOBER 1978

LANGUAGE:

ABSTRACT:

INDEX NUMBER: 78013

SOURCE: IEEE CANADIAN CONFERENCE ON COMMUNICATIONS AND POWER

SUBJECT CATEGORIES

AC ELECTRIC FIELDS

BODY-GROUND IMPEDANCE

BODY CURRENT

INDUCTIVE COUPLING

SPARK DISCHARGE

END POINTS

SPECIES

HUMANS

AUTHOR(S): REILLY, J.P. LARKIN, M. KITTLER, L.B. FREEMAN, V.T.

TITLE: HUMAN REACTIONS TO TRANSIENT ELECTRIC CURRENTS, VOLUME XII, ANNUAL REPORT, JULY 1983-JUNE 1984

PUBLICATION DATE: JULY 1984

LANGUAGE:

ABSTRACT:

INDEX NUMBER: 84045

SOURCE: JOHNS HOPKINS UNIVERSITY APPLIED PHYSICS LABORATORY REPORT, JHU/APL-CPE-8313

SUBJECT CATEGORIES

AC ELECTRIC FIELDS

ELECTRIC SHOCK

MODELING

PERCEPTION

END POINTS

SPECIES

HUMANS

ELF BIOLOGICAL EFFECTS LITERATURE DATABASE

PAGE 178

AUTHOR(S): REILLY, J.F. LARKIN, M. TAYLOR, R.J. FREEMAN, V.T.

TITLE: HUMAN REACTIONS TO TRANSIENT ELECTRIC CURRENTS, ANNUAL REPORT, JULY 1981-JULY 1982

PUBLICATION DATE: 1982

LANGUAGE:

ABSTRACT:

INDEX NUMBER: 82063

SOURCE: JOHNS HOPKINS UNIVERSITY APPLIED PHYSICS LABORATORY, REPORT CPE 8203

SUBJECT CATEGORIES	END POINTS	SPECIES
AC ELECTRIC FIELDS		
BODY CURRENT		
BODY IMPEDANCE		HUMANS
EXPOSURE FACILITIES		
INDUCTIVE COUPLING		
PERCEPTION		
SPARK DISCHARGE		

AUTHOR(S): REIN, S. DIXEY, R. WATSON, B.

TITLE: ELECTROMAGNETIC INDUCTION OF NEUROTRANSMITTER RELEASE FROM A NEURONAL CELL LINE IN TISSUE CULTURE

PUBLICATION DATE: SEPTEMBER 1982

LANGUAGE:

ABSTRACT: YES

INDEX NUMBER: 82019

SOURCE: TRANSACTIONS OF THE SECOND ANNUAL MEETING OF THE BIOELECTRICAL REPAIR AND GROWTH SOCIETY, P. 39

SUBJECT CATEGORIES	END POINTS	SPECIES
UNCONVENTIONAL MAGNETIC FIELDS		
BRAIN SYSTEM		
CALCIUM EFFLUX		SMALL MAMMALS
CELL SYSTEMS		
MECHANISMS		

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EXTREMELY LOW FREQUENCY (ELF) COMMUNICATIONS SYSTEM
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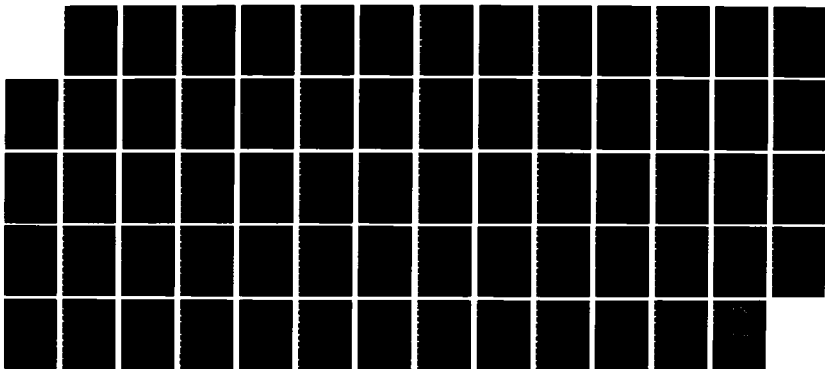
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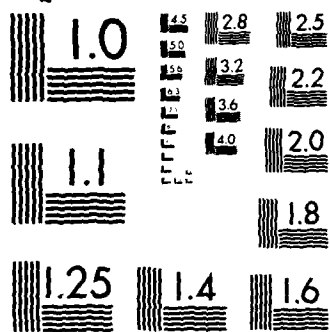
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MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS-1963-A

ELF BIOLOGICAL EFFECTS LITERATURE DATABASE

PAGE 179

AUTHOR(S): RIDELLA, S. DRAGO, S.P. MARCHESI, M.

TITLE: FREQUENCY WINDOWS IN STIMULATING A CELL WITH ELECTRIC FIELD: A COMPUTER SIMULATION

PUBLICATION DATE: SEPTEMBER 1982

LANGUAGE:

ABSTRACT: YES

INDEX NUMBER: 82011

SOURCE: TRANSACTIONS OF THE SECOND ANNUAL MEETING OF THE BIOELECTRICAL REPAIR AND GROWTH SOCIETY, P. 11

SUBJECT CATEGORIES	END POINTS	SPECIES
AC ELECTRIC FIELDS		
CELL SYSTEMS		
CURRENT DENSITY		
MECHANISMS		
MODELS		
WINDOW EFFECT		
		UNSPECIFIED

AUTHOR(S): RISH, W.R.

TITLE: CHARACTERIZING UNCERTAINTY IN ESTIMATING IMPACTS FROM ENERGY SYSTEMS: TWO CASE STUDIES

PUBLICATION DATE: DECEMBER 1982

LANGUAGE:

ABSTRACT:

INDEX NUMBER: 82002

SOURCE: CARNEGIE-MELLON UNIVERSITY

SUBJECT CATEGORIES	END POINTS	SPECIES
AC ELECTRIC FIELDS		
AC MAGNETIC FIELDS		
ASSESSMENT METHODS		
HUMAN HEALTH		
		HUMANS

PAGE 180 ELF BIOLOGICAL EFFECTS LITERATURE DATABASE

AUTHOR(S): RODAN, G.A. JOHNSON, D.E.

TITLE: THE EFFECT OF ELECTROMAGNETIC FIELDS ON ALKALINE PHOSPHATASE IN OSTEOBLAST-LIKE CELLS IN CULTURE

PUBLICATION DATE: NOVEMBER 1981 LANGUAGE: ABSTRACT: YES INDEX NUMBER: 81011

SOURCE: TRANSACTIONS OF THE FIRST ANNUAL MEETING OF THE BIOELECTRICAL REPAIR AND GROWTH SOCIETY, P. 2

SUBJECT CATEGORIES	END POINTS	SPECIES
UNSPECIFIED FIELDS	BIOCHEMISTRY CELL SYSTEMS	UNSPECIFIED

AUTHOR(S): RODAN, G.A. JOHNSON, D.E.

TITLE: THE EFFECT OF PULSATING ELECTROMAGNETIC FIELDS (PEMF) ON OSTEOBLAST-LIKE CELLS IN CULTURE

PUBLICATION DATE: MARCH 1982 LANGUAGE: ABSTRACT: YES INDEX NUMBER: 82005

SOURCE: JOURNAL OF THE ELECTROCHEMICAL SOCIETY, VOL. 129, NO. 3, P. 133C

SUBJECT CATEGORIES	END POINTS	SPECIES
UNSPECIFIED FIELDS	BONE GROWTH/REPAIR CELL SYSTEMS MODULATION	UNSPECIFIED

PAGE 181

ELF BIOLOGICAL EFFECTS LITERATURE DATABASE

AUTHOR(S): ROGERS, L.E. DEEDLOW, P.A. CARLILE, D.W. GAND, K.W.

TITLE: ENVIRONMENTAL STUDIES OF A 1100 KV PROTOTYPE TRANSMISSION LINE - AN ANNUAL REPORT FOR THE 1983 STUDY PERIOD

PUBLICATION DATE: NOVEMBER 1984

LANGUAGE:

ABSTRACT:

INDEX NUMBER: 84046

SOURCE: BATELLE PACIFIC NORTHWEST LABORATORIES REPORT, DOE/BP-371

SUBJECT CATEGORIES

AC ELECTRIC FIELDS

GROWTH AND DEVELOPMENT
MORTALITY
SHIELDING EFFECT

END POINTS

SPECIES

GRASSES
TREES

189

AUTHOR(S): ROGERS, L.E. LEE, J.M.

TITLE: ECOLOGICAL EFFECTS OF EXTREMELY LOW FREQUENCY ELECTRIC AND MAGNETIC FIELDS

PUBLICATION DATE: MAY 1985

LANGUAGE:

ABSTRACT:

INDEX NUMBER: 85116

SOURCE: ASSESSMENTS AND VIEWPOINTS ON THE BIOLOGICAL AND HUMAN HEALTH EFFECTS OF EXTREMELY LOW FREQUENCY (ELF) ELECTROMAGNETIC FIELDS; AMERICAN INSTITUTE OF BIOLOGICAL SCIENCES, PP. 267-294

SUBJECT CATEGORIES

AC ELECTRIC FIELDS
AC MAGNETIC FIELDS

ECOLOGY STUDIES
RESEARCH ASSESSMENT

END POINTS

SPECIES

ALL-INCLUSIVE

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ELF BIOLOGICAL EFFECTS LITERATURE DATABASE

AUTHOR(S): ROGERS, L.E. WARREN, J.L. HINDS, M.R. GAND, K.A. FITZNER, R.E. PIEPEL, G.F.

TITLE: ENVIRONMENTAL STUDIES OF A 1100 KV PROTOTYPE TRANSMISSION LINE

PUBLICATION DATE: JULY 1983

LANGUAGE:

ABSTRACT:

INDEX NUMBER: 83001

SOURCE: BONNEVILLE POWER ADMINISTRATION CEA PROJECT 78-95

SUBJECT CATEGORIES

AC ELECTRIC FIELDS

BEHAVIOR

GROWTH AND DEVELOPMENT

POPULATION DYNAMICS

SPECIES DIVERSITY

END POINTS

SPECIES

AVIANS

CROPS

GRASSES

LIVESTOCK

POLLINATING INSECTS

SMALL MAMMALS

TREES

WILDLIFE

AUTHOR(S): ROGERS, M.R.

TITLE: STUDY OF THE BEHAVIORAL AND BIOLOGICAL EFFECTS OF HIGH-STRENGTH 60-HZ ELECTRIC FIELDS

PUBLICATION DATE: APRIL 1983

LANGUAGE:

ABSTRACT:

INDEX NUMBER: 83007

SOURCE: U.S. DEPARTMENT OF ENERGY, SOUTHWEST RESEARCH INSTITUTE QUARTERLY TECHNICAL PROGRESS REPORT NO. 10

SUBJECT CATEGORIES

AC ELECTRIC FIELDS

EXPOSURE FACILITIES

MODELS

END POINTS

SPECIES

HUMANS

PRIMATES

ELF BIOLOGICAL EFFECTS LITERATURE DATABASE

PAGE 183

AUTHOR(S): ROGERS, W.R. ORR, J.L.

TITLE: DETERMINATION OF THRESHOLD INTENSITY FOR AVOIDANCE OF 60-HZ ELECTRIC FIELDS BY BABOONS

PUBLICATION DATE: JUNE 1985

LANGUAGE:

ABSTRACT: YES

INDEX NUMBER: 85051

SOURCE: BIOELECTROMAGNETICS SOCIETY 7TH ANNUAL MEETING

SUBJECT CATEGORIES

AC ELECTRIC FIELDS

AVERSION
PSYCHOLOGY

END POINTS

SPECIES

HUMANS
PRIMATES

191

AUTHOR(S): ROOZE, M. HINSEKAMP, M. DUCHATEAU, J.

TITLE: IN VIVO SKELETAL MODIFICATIONS OF CHICKEN EMBRYOS INDUCED BY ELECTROMAGNETIC FIELDS

PUBLICATION DATE: SEPTEMBER 1982

LANGUAGE:

ABSTRACT: YES

INDEX NUMBER: 82048

SOURCE: TRANSACTIONS OF THE SECOND ANNUAL MEETING OF THE BIOELECTRICAL REPAIR AND GROWTH SOCIETY, P. 73

SUBJECT CATEGORIES

UNSPECIFIED FIELDS

BONE GROWTH/REPAIR
EMBRYOLOGY
GROWTH AND DEVELOPMENT

END POINTS

SPECIES

DOMESTIC FOWL

ELF BIOLOGICAL EFFECTS LITERATURE DATABASE

PAGE 184

AUTHOR(S): ROZZELL, T.C.

TITLE: BIDELECTROMAGNETICS RESEARCH IN WEST GERMANY: AN ASSESSMENT

PUBLICATION DATE: JULY 1984

ABSTRACT:

INDEX NUMBER: 84047

SOURCE: OFFICE OF NAVAL RESEARCH, LONDON REPORT R-9-84

SUBJECT CATEGORIES

END POINTS

SPECIES

UNSPECIFIED FIELDS

BONE GROWTH/REPAIR
RESEARCH ASSESSMENT

HUMANS
SMALL MAMMALS

192

AUTHOR(S): SAGAN, P.M. STELL, M.E.

TITLE: HOW RATS DETECT 60 HZ ELECTRIC FIELDS

PUBLICATION DATE: JUNE 1985

LANGUAGE:

ABSTRACT: YES

INDEX NUMBER: 85027

SOURCE: BIDELECTROMAGNETICS SOCIETY 7TH ANNUAL MEETING

SUBJECT CATEGORIES

END POINTS

SPECIES

AC ELECTRIC FIELDS

BEHAVIOR
MECHANISMS
PERCEPTION
PSYCHOLOGY

SMALL MAMMALS

ELF BIOLOGICAL EFFECTS LITERATURE DATABASE

PAGE 185

AUTHOR(S): SAGAN, P.M. STELL, M.E.

TITLE: CIRCADIAN VARIATION IN THE THRESHOLD FOR ELECTRIC FIELD DETECTION

PUBLICATION DATE: JUNE 1985

LANGUAGE:

ABSTRACT: YES

INDEX NUMBER: 85048

SOURCE: BIOELECTROMAGNETICS SOCIETY 7TH ANNUAL MEETING

SUBJECT CATEGORIES

AC ELECTRIC FIELDS

CIRCADIAN RHYTHMS

END POINTS

SPECIES

SMALL MAMMALS

193

AUTHOR(S): SAMA, S. PAL, A. ALBRIGHT, J.A. MISRA, R.P.

TITLE: ACCELERATED GROWTH OF CHICK EMBRYO STIMULATED BY A PULSING ELECTROMAGNETIC FIELD

PUBLICATION DATE: NOVEMBER 1981

LANGUAGE:

ABSTRACT: YES

INDEX NUMBER: 81022

SOURCE: TRANSACTIONS OF THE FIRST ANNUAL MEETING OF THE BIOELECTRICAL REPAIR AND GROWTH SOCIETY, P. 76

SUBJECT CATEGORIES

UNCONVENTIONAL MAGNETIC FIELDS

BONE GROWTH/REPAIR

EMBRYOLOGY

END POINTS

SPECIES

DOMESTIC FOWL

PAGE 186

ELF BIOLOGICAL EFFECTS LITERATURE DATABASE

AUTHOR(S): SANA, S. PAL, A. REDDY, S.N. ALBRIGHT, J.A.

TITLE: GROWTH OF CHICK EMBRYO MODULATED BY PULSED ELECTROMAGNETIC STIMULATIONS

PUBLICATION DATE: SEPTEMBER 1982

LANGUAGE:

ABSTRACT: YES

INDEX NUMBER: 82023

SOURCE: TRANSACTIONS OF THE SECOND ANNUAL MEETING OF THE BIOELECTRICAL REPAIR AND GROWTH SOCIETY, P. 59

SUBJECT CATEGORIES

END POINTS

SPECIES

UNCONVENTIONAL MAGNETIC FIELDS

BONE GROWTH/REPAIR

EMBRYOLOGY

GROWTH AND DEVELOPMENT

DOMESTIC FOWL

AUTHOR(S): SAKAMOTO, M. FUJIKADO, T. HAYAKAWA, R. WADA, Y.

TITLE: LOW FREQUENCY DIELECTRIC RELAXATION AND LIGHT SCATTERING UNDER AC ELECTRIC FIELD OF DNA SOLUTIONS

PUBLICATION DATE: 1980

LANGUAGE:

ABSTRACT:

INDEX NUMBER: 80006

SOURCE: BIOPHYSICAL CHEMISTRY, VOL. 11, PP. 309-316

SUBJECT CATEGORIES

END POINTS

SPECIES

AC ELECTRIC FIELDS

DNA

MECHANISMS

FISH

LIVESTOCK

ELF BIOLOGICAL EFFECTS LITERATURE DATABASE

PAGE 187

AUTHOR(S): SAKHAROVA, S.A. RYZHOV, A.I. USINTSEV, N.A.

TITLE: REACTION OF CENTRAL AND PERIPHERAL MEDIATOR ELEMENTS OF THE SYMPATHOADRENAL SYSTEM TO SINGLE EXPOSURE TO ALTERNATING MAGNETIC FIELD

PUBLICATION DATE: 1977

LANGUAGE: RUSSIAN

ABSTRACT: ENGLISH

INDEX NUMBER: 77017

SOURCE: BIOLOGICHESKIE NAUKI, NO. 9, PP. 35-39

SUBJECT CATEGORIES

AC MAGNETIC FIELDS

BRAIN SYSTEM
CELL COMMUNICATIONS
PHYSIOLOGY

END POINTS

SPECIES

UNSPECIFIED

195

AUTHOR(S): SALAMA, M.M.A. HACKAM, R.

TITLE: ELECTROMAGNETIC EFFECTS OF HIGH-VOLTAGE HIGH POWER EQUIPMENT

PUBLICATION DATE: JUNE 1984

LANGUAGE:

ABSTRACT:

INDEX NUMBER: 84021

SOURCE: IEEE TRANSACTIONS ON POWER APPARATUS AND SYSTEMS, VOL. PAS-103, NO. 6, PP. 1493-1501

SUBJECT CATEGORIES

AC MAGNETIC FIELDS

BODY CURRENT
CURRENT DENSITY
FIELD EQUATIONS
INDUCTIVE COUPLING
MODELING
OCCUPATIONAL HEALTH

END POINTS

SPECIES

HUMANS

ELF BIOLOGICAL EFFECTS LITERATURE DATABASE

PAGE 188

AUTHOR(S): SAVIN, B.M. SHANDALA, M.G. MOROZOV, V.A.

TITLE: RESEARCH METHODS AND EVALUATION CRITERIA OF THE BIOLOGICAL EFFECTS OF INDUSTRIAL FREQUENCY FIELDS

PUBLICATION DATE: MAY 1978

LANGUAGE:

ABSTRACT: YES

INDEX NUMBER: 78009

SOURCE: PROCEEDINGS OF THE SYMPOSIUM ON EMV AC POWER TRANSMISSIONS, PP. 431-472

SUBJECT CATEGORIES	END POINTS	SPECIES
UNSPECIFIED FIELDS		
ASSESSMENT METHODS		
EXPOSURE STANDARDS		
HUMAN HEALTH		HUMANS
OCCUPATIONAL EXPOSURE		

196

AUTHOR(S): SAVITZ, D.A.

TITLE: HUMAN STUDIES OF CARCINOGENIC, REPRODUCTIVE AND GENERAL HEALTH EFFECTS OF ELF FIELDS

PUBLICATION DATE: MARCH 1985

LANGUAGE:

ABSTRACT:

INDEX NUMBER: 85094

SOURCE: BIOLOGICAL AND HUMAN HEALTH EFFECTS OF EXTREMELY LOW FREQUENCY ELECTROMAGNETIC FIELDS; AMERICAN INSTITUTE OF BIOLOGICAL SCIENCES, CHAPTER 9

SUBJECT CATEGORIES	END POINTS	SPECIES
AC ELECTRIC FIELDS		
AC MAGNETIC FIELDS		
BIOCHEMISTRY	PHYSIOLOGY	
CANCER	PUBLIC HEALTH	HUMANS
EPIDEMIOLOGY	REPRODUCTION	
HUMAN HEALTH	RESIDENTIAL FIELDS	
IMMUNOLOGY	RESEARCH ASSESSMENT	
LEUKEMIA	STRESS RESPONSE	
LITERATURE REVIEW		
METABOLISM		
MORTALITY		
OCCUPATIONAL HEALTH		

ELF BIOLOGICAL EFFECTS LITERATURE DATABASE

PAGE 189

AUTHOR(S): SCALE, D. ZICKNER, L.

TITLE: ELECTROSTIMULATION AND BONELENGTHENING

PUBLICATION DATE: SEPTEMBER 1982

LANGUAGE:

ABSTRACT: YES

INDEX NUMBER: B2027

SOURCE: TRANSACTIONS OF THE SECOND ANNUAL MEETING OF THE BIOELECTRICAL REPAIR AND GROWTH SOCIETY, P. 75

SUBJECT CATEGORIES

END POINTS

SPECIES

UNSPECIFIED FIELDS

BONE GROWTH/REPAIR

SMALL MAMMALS

197

AUTHOR(S): SCHAEFER, H. SILNY, J.

TITLE: SUDDEN INFANT DEATH SYNDROME AND ELECTROMAGNETIC FIELDS: POINT OF VIEW (CRITIQUE OF E.E. EXERT)

PUBLICATION DATE: 1977

LANGUAGE: GERMAN

ABSTRACT: ENGLISH

INDEX NUMBER: 77021

SOURCE: MEDIZINISCHE KLINIK, VOL. 72, NO. 19, PP. 871-872

SUBJECT CATEGORIES

END POINTS

SPECIES

UNSPECIFIED FIELDS

EPIDEMIOLOGY

MODELING

MORTALITY

PUBLIC HEALTH

HUMANS

PAGE 190 ELF BIOLOGICAL EFFECTS LITERATURE DATABASE

AUTHOR(S): SCHIFF, A.

TITLE: A QUANTITATIVE REVIEW OF HUMAN SUSCEPTIBILITY TO MAGNETIC FIELDS

PUBLICATION DATE: MARCH 1978

LANGUAGE:

ABSTRACT:

INDEX NUMBER: 78007

SOURCE: LAWRENCE LIVERMORE LABORATORY REPORT UCID-17773

SUBJECT CATEGORIES	END POINTS	SPECIES
AC MAGNETIC FIELDS	BIOCHEMISTRY	AMPHIBIANS
	BRAIN SYSTEM	AVIANS
	CARDIAC PACEMAKERS	BACTERIA
	CIRCADIAN RHYTHMS	DOMESTIC FOWL
	GROWTH AND DEVELOPMENT	HUMANS
	LITERATURE REVIEW	PRIMATES
	NEUROPHYSIOLOGY	SMALL MAMMALS
	OPTICAL EFFECTS	
	ORIENTATION	
	PSYCHOLOGY	
	PHYSIOLOGY	

AUTHOR(S): SCHMITT, D.H.

TITLE: SOME BASICS OF ELF FIELDS AND THEIR BIOSPHERE EFFECTS

PUBLICATION DATE: JUNE 1977

LANGUAGE:

ABSTRACT:

INDEX NUMBER: 77019

SOURCE: THE PHYSICAL BASIS OF ELECTROMAGNETIC INTERACTIONS WITH BIOLOGICAL SYSTEMS, UNIVERSITY OF MARYLAND, PP. 71-74

SUBJECT CATEGORIES	END POINTS	SPECIES
AC MAGNETIC FIELDS	PERCEPTION	HUMANS

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ELF BIOLOGICAL EFFECTS LITERATURE DATABASE

AUTHOR(S): SCHNEIDER, K.-H.

TITLE: ELECTRIC AND MAGNETIC FIELDS

PUBLICATION DATE: 1980

LANGUAGE: GERMAN

ABSTRACT: ENGLISH

INDEX NUMBER: 80013

SOURCE: STRAHLENSCHUTZ IN FORSCHUNG UND PRAXIS, NO. 20, PP. 30-35

SUBJECT CATEGORIES

END POINTS

SPECIES

AC ELECTRIC FIELDS

AC MAGNETIC FIELDS

LITERATURE REVIEW

HUMANS

AUTHOR(S): SCHUBERT, T. KLEDITZSCH, J. WOLF, P. BEER, L. HELLINGER, J.

TITLE: FLUORESCENT MICROSCOPIC INVESTIGATIONS INTO THE BONE HEALING UNDER STIMULATION WITH BIPOLAR PULSE CURRENTS AND INTERFERENCE CURRENT IN THE ANIMAL EXPERIMENT

PUBLICATION DATE: SEPTEMBER 1982

LANGUAGE:

ABSTRACT: YES

INDEX NUMBER: 82024

SOURCE: TRANSACTIONS OF THE SECOND ANNUAL MEETING OF THE BIDELECTRICAL REPAIR AND GROWTH SOCIETY, P. 68

SUBJECT CATEGORIES

END POINTS

SPECIES

UNSPECIFIED FIELDS

BONE GROWTH/REPAIR

SMALL MAMMALS

PAGE 192 ELF BIOLOGICAL EFFECTS LITERATURE DATABASE

AUTHOR(S): SCHWAN, H.P.

TITLE: ELECTRICAL AND ACOUSTIC PROPERTIES OF BIOLOGICAL MATERIALS AND BIOMEDICAL APPLICATIONS

PUBLICATION DATE: DECEMBER 1984

LANGUAGE:

ABSTRACT:

INDEX NUMBER: 84022

SOURCE: IEEE TRANSACTIONS ON BIOMEDICAL ENGINEERING, VOL. BME-31, NO. 12, PP. 872-878

SUBJECT CATEGORIES

END POINTS

SPECIES

UNSPECIFIED FIELDS

MECHANISMS

HUMANS

AUTHOR(S): SCHWARTZ, M. NEUMAN, D. FISCHLER, H. KORENSTEIN, R.

TITLE: NEURITIC OUTGROWTH FROM REGENERATIVE GOLDFISH RETINA IS AFFECTED BY PULSED ELECTROMAGNETIC FIELDS

PUBLICATION DATE: NOVEMBER 1981

LANGUAGE:

ABSTRACT: YES

INDEX NUMBER: 81019

SOURCE: TRANSACTIONS OF THE FIRST ANNUAL MEETING OF THE BIOELECTRICAL REPAIR AND GROWTH SOCIETY, P. 55

SUBJECT CATEGORIES

END POINTS

SPECIES

UNCONVENTIONAL MAGNETIC FIELDS

CELL SYSTEMS

FISH

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ELF BIOLOGICAL EFFECTS LITERATURE DATABASE

AUTHOR(S): SEAGER, J.

TITLE: "SILENT KEYS": LEUKAEMIA DEATHS (LETTER TO THE EDITOR)

PUBLICATION DATE: MAY 1985

LANGUAGE:

ABSTRACT:

INDEX NUMBER: 85006

SOURCE: THE LANCET, P. 1095

SUBJECT CATEGORIES

UNSPECIFIED FIELDS

LEUKEMIA
MORTALITY
OCCUPATIONAL HEALTH

END POINTS

SPECIES

HUMANS

AUTHOR(S): SEDEL, L. CHRISTEL, P. DURIEZ, J. DURIEZ, R. EVARD, J. FICAT, C. CAUCHOIX, J. MITVOET, J.

TITLE: ACCELERATION OF REPAIR OF NON-UNIONS BY ELECTROMAGNETIC FIELDS

PUBLICATION DATE: 1981

LANGUAGE: FRENCH

ABSTRACT: ENGLISH

INDEX NUMBER: 81029

SOURCE: REVUE DE CHIRURGIE ORTHOPEDIQUE, VOL. 67, NO. 1, PP. 11-23

SUBJECT CATEGORIES

UNCONVENTIONAL MAGNETIC FIELDS

BONE GROWTH/REPAIR
CLINICAL MEDICINE

END POINTS

SPECIES

HUMANS

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ELF BIOLOGICAL EFFECTS LITERATURE DATABASE

AUTHOR(S): SENDAULA, M. HILSON, D.W. MYERS, R.C. AKENS, L.G. WOOLERY, B.J.

TITLE: ANALYSIS OF ELECTRIC AND MAGNETIC FIELDS MEASURED NEAR TVA'S 500-KV TRANSMISSION LINES

PUBLICATION DATE: FEBRUARY 1984

LANGUAGE:

ABSTRACT:

INDEX NUMBER: 84023

SOURCE: IEEE TRANSACTIONS ON POWER APPARATUS AND SYSTEMS, VOL. PAS-103, NO. 2, PP. 328-336

SUBJECT CATEGORIES

END POINTS

SPECIES

AC ELECTRIC FIELDS
AC MAGNETIC FIELDS

ELECTRIC FIELD MEASUREMENTS
FIELD EQUATIONS
MAGNETIC FIELD MEASUREMENTS
MEASUREMENT METHODS
SHIELDING EFFECT

UNSPECIFIED

AUTHOR(S): SERDYUK, A.M. ANDRIENKO, L.G.

TITLE: EFFECT OF ELECTROMAGNETIC ENERGY ON ANIMALS REPRODUCTIVE FUNCTION

PUBLICATION DATE: JUNE 1985

LANGUAGE:

ABSTRACT: YES

INDEX NUMBER: 85058

SOURCE: BIOELECTROMAGNETICS SOCIETY 7TH ANNUAL MEETING

SUBJECT CATEGORIES

END POINTS

SPECIES

UNSPECIFIED FIELDS

FERTILITY
GENETICS
GROWTH AND DEVELOPMENT
REPRODUCTION

SMALL MAMMALS

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ELF BIOLOGICAL EFFECTS LITERATURE DATABASE

AUTHOR(S): SETO, Y.J. FOX, F.T. MAJEAU-CHARFOIS, D. LYMANROVER, J.R. DUNLAP, W.P. HSEIH, S.T.

TITLE: CHRONIC 60-HZ ELECTRIC FIELD EXPOSURE INDUCED SUBTLE BIOEFFECTS ON SERUM CHEMISTRY

PUBLICATION DATE: 1984

LANGUAGE:

ABSTRACT:

INDEX NUMBER: 84094

SOURCE: JOURNAL OF ENVIRONMENTAL SCIENCE AND HEALTH, VOL. A 19, NO. 8, PP. 865-885

SUBJECT CATEGORIES

END POINTS

SPECIES

AC ELECTRIC FIELDS

BIOCHEMISTRY

SMALL MAMMALS

AUTHOR(S): SETO, Y.J. HSEIH, S.T. MAJEAU-CHARFOIS, D. DUNLAP, W.P. LYMANROVER, J.R.

TITLE: FOOD CONSUMPTION, WATER INTAKE AND GROWTH DATA ON RATS CHRONICALLY EXPOSED TO HIGH-INTENSITY 60 HZ FIELD

PUBLICATION DATE: 1983

LANGUAGE:

ABSTRACT:

INDEX NUMBER: 83002

SOURCE: JOURNAL OF BIOELECTRICITY, VOL. 2, NOS. 2 AND 3, PP. 197-205

SUBJECT CATEGORIES

END POINTS

SPECIES

AC ELECTRIC FIELDS

FOOD/WATER INTAKE
GROWTH AND DEVELOPMENT

SMALL MAMMALS

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ELF BIOLOGICAL EFFECTS LITERATURE DATABASE

AUTHOR(S): SETO, Y.J. MAJEAU-CHARGOIS, D. LYMAN-GROVER, J.R. DUNLAP, M.P. WALKER, C.F. HSIEH, S.T.

TITLE: INVESTIGATION OF FERTILITY AND IN UTERO EFFECTS IN RATS CHRONICALLY EXPOSED TO A HIGH-INTENSITY 60 HZ ELECTRIC FIELD

PUBLICATION DATE: NOVEMBER 1984

LANGUAGE:

ABSTRACT:

INDEX NUMBER: 84084

SOURCE: IEEE TRANSACTIONS ON BIOMEDICAL ENGINEERING, VOL. BME-31, NO. 11, PP. 693-701

SUBJECT CATEGORIES

END POINTS

SPECIES

AC ELECTRIC FIELDS

FERTILITY

GENETICS

GROWTH AND DEVELOPMENT

PATHOLOGY

PHYSIOLOGY

REPRODUCTION

SMALL MAMMALS

AUTHOR(S): SHABEV, V.P.

TITLE: INFLUENCE OF LOW INTENSITY ELECTROMAGNETIC FIELDS ON HUMAN AND ANIMAL ERYTHROCYTES

PUBLICATION DATE: 1982

LANGUAGE: RUSSIAN

ABSTRACT: ENGLISH

INDEX NUMBER: 82075

SOURCE: KOSMICHESKAYA BIOLOGIA I AVIAKOSMICHESKAYA MEDITSINA, VOL. 15, NO. 3, PP. 91-92

SUBJECT CATEGORIES

END POINTS

SPECIES

UNSPECIFIED FIELDS

BIOCHEMISTRY

HUMANS

PAGE 197

ELF BIOLOGICAL EFFECTS LITERATURE DATABASE

AUTHOR(S): SHANDALA, M.G. DUMANSKY, Y.D. PROKHVATILLO, Y.V. LOS' I.P. TOMASHEVSKAYA, L.A. ANDRIYENKO, L.G. LYUBCHENKO, S.A. BEZDOL'NAYA, I.S. VASILENKO, Y.I.

TITLE: BIOLOGICAL EFFECTS OF INDUSTRIAL FREQUENCY (50 HZ) ELECTRIC FIELDS

PUBLICATION DATE: 1981

LANGUAGE:

ABSTRACT:

INDEX NUMBER: B1026

SOURCE: US-USSR WORKSHOP ON PHYSICAL FACTORS, MICROWAVES AND LOW FREQUENCY FIELDS, PP. 253-264

SUBJECT CATEGORIES

END POINTS

SPECIES

AC ELECTRIC FIELDS

BIOCHEMISTRY

IMMUNOLOGY

NEUROPHYSIOLOGY

PSYCHOLOGY

SMALL MAMMALS

AUTHOR(S): SHANDALA, M.G. DUMANSKY, Y.D. TOMASHEVSKAYA, L.A. BEZDOL'NAYA, I.S.

TITLE: FUNCTIONAL STATE OF THE HUMAN BODY DURING THE EFFECT OF ELECTRIC FIELD OF INDUSTRIAL FREQUENCY

PUBLICATION DATE: JUNE 1983

LANGUAGE: RUSSIAN

ABSTRACT: ENGLISH

INDEX NUMBER: B3015

SOURCE: VRACHENIE BELO, NO. 6, PP. 102-104

SUBJECT CATEGORIES

END POINTS

SPECIES

AC ELECTRIC FIELDS

HUMAN HEALTH

METABOLISM

HUMANS

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ELF BIOLOGICAL EFFECTS LITERATURE DATABASE

AUTHOR(S): SHAPIRO, H.A. SODDY, A.A.

TITLE: OHIO RIVER BASIN ENERGY STUDY: HEALTH ASPECTS

PUBLICATION DATE: NOVEMBER 1980

LANGUAGE:

ABSTRACT:

INDEX NUMBER: 80005

SOURCE: ENVIRONMENTAL PROTECTION AGENCY OFFICE OF ENVIRONMENTAL ENGINEERING AND TECHNOLOGY, EPA-600/7-81-069, PP. 5-1 TO 5-7

SUBJECT CATEGORIES

END POINTS

SPECIES

AC ELECTRIC FIELDS

LITERATURE REVIEW

HUMANS

SMALL MAMMALS

AUTHOR(S): SHARRARD, W.J.W.

TITLE: TREATMENT OF CONGENITAL AND INFANTILE PSEUDARTHROSIS OF THE TIBIA WITH PULSING ELECTROMAGNETIC FIELDS

PUBLICATION DATE: JANUARY 1984

LANGUAGE:

ABSTRACT:

INDEX NUMBER: 84048

SOURCE: ORTHOPEDIC CLINICS OF NORTH AMERICA, VOL. 15, NO. 1, PP. 143-162

SUBJECT CATEGORIES

END POINTS

SPECIES

UNSPECIFIED MAGNETIC FIELDS

BONE GROWTH/REPAIR
CLINICAL MEDICINE

HUMANS

ELF BIOLOGICAL EFFECTS LITERATURE DATABASE

PAGE 199

AUTHOR(S): SHEPPARD, A.R.

TITLE: CELLULAR STUDIES OF EFFECTS OF ELF ELECTRIC AND MAGNETIC FIELDS

PUBLICATION DATE: MARCH 1985

LANGUAGE:

ABSTRACT:

INDEX NUMBER: B5090

SOURCE: BIOLOGICAL AND HUMAN HEALTH EFFECTS OF EXTREMELY LOW FREQUENCY ELECTROMAGNETIC FIELDS; AMERICAN INSTITUTE OF BIOLOGICAL SCIENCES, CHAPTER 5

SPECIES

END POINTS

SUBJECT CATEGORIES

ALL-INCLUSIVE

MECHANISMS

AC ELECTRIC FIELDS

AC MAGNETIC FIELDS
UNCONVENTIONAL MAGNETIC FIELDS

BIOCHEMISTRY

MITOTIC CYCLE

BONE GROWTH/REPAIR

MODULATION

CALCIUM EFFLUX

NEUROPHYSIOLOGY

CARDIOVASCULAR FUNCTION

OPTICAL EFFECTS

CELL COMMUNICATIONS

PHYSIOLOGY

CELL SYSTEMS

RESEARCH ASSESSMENT

DNA

TISSUE CULTURES

GENETICS

WINDOW EFFECT

HUMAN HEALTH

LITERATURE REVIEW

AUTHOR(S): SHEPPARD, A.R. BURTON-SAGAN, M. ADEY, W.R.

TITLE: INFLUENCES OF FIELD STRENGTH AND ORIENTATION ON THE COUPLING OF EXTRACELLULAR FIELDS TO APLYSIA NEURONS

PUBLICATION DATE: JUNE 1985

LANGUAGE:

ABSTRACT: YES

INDEX NUMBER: B5018

SOURCE: BIOELECTROMAGNETICS SOCIETY 7TH ANNUAL MEETING

SUBJECT CATEGORIES

END POINTS

SPECIES

UNSPECIFIED FIELDS

CELL SYSTEMS

MECHANISMS

UNSPECIFIED

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ELF BIOLOGICAL EFFECTS LITERATURE DATABASE

AUTHOR(S): SHIN, S.S.

TITLE: EFFECT OF ELECTROMAGNETIC PULSES APPLICATION ON FRACTURE HEALING WITH EMPHASIS ON VASCULARIZATION

PUBLICATION DATE: NOVEMBER 1981

LANGUAGE:

ABSTRACT: YES

INDEX NUMBER: 81012

SOURCE: TRANSACTIONS OF THE FIRST ANNUAL MEETING OF THE BIOELECTRICAL REPAIR AND GROWTH SOCIETY, P. 19

SUBJECT CATEGORIES

END POINTS

SPECIES

UNCONVENTIONAL ELECTRIC FIELDS BONE GROWTH/REPAIR

CANINES

AUTHOR(S): SHIMIZU, K. ENDO, H. MATSUMOTO, G.

TITLE: MEASUREMENT OF ELF ELECTRIC FIELD AT HUMAN BODY SURFACE

PUBLICATION DATE: JUNE 1985

LANGUAGE:

ABSTRACT: YES

INDEX NUMBER: 85033

SOURCE: BIOELECTROMAGNETICS SOCIETY 7TH ANNUAL MEETING

SUBJECT CATEGORIES

END POINTS

SPECIES

AC ELECTRIC FIELDS BODY SURFACE FIELD
INSTRUMENTATION

HUMANS

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ELF BIOLOGICAL EFFECTS LITERATURE DATABASE

AUTHOR(S): SHIMIZU, Y. SEKIMIZU, H. MATSUMOTO, G.

TITLE: THREE-DIMENSIONAL CALCULATION OF THE FIELD AT BODY SURFACE USING MOIRE TOPOGRAPHY

PUBLICATION DATE: JUNE 1985

LANGUAGE:

ABSTRACT: YES

INDEX NUMBER: 85032

SOURCE: BIOELECTROMAGNETICS SOCIETY 7TH ANNUAL MEETING

SUBJECT CATEGORIES

END POINTS

SPECIES

AC ELECTRIC FIELDS

BODY SURFACE FIELD
MODELING

UNSPECIFIED

AUTHOR(S): SHUPE, R.E. HORNBACK, N.B.

TITLE: THE FRIENDLY FIELDS OF RF

PUBLICATION DATE: JUNE 1985

LANGUAGE:

ABSTRACT:

INDEX NUMBER: 85004

SOURCE: IEEE SPECTRUM, VOL. 22, NO. 6, PP. 64-69

SUBJECT CATEGORIES

END POINTS

SPECIES

UNCONVENTIONAL ELECTRIC FIELDS
UNCONVENTIONAL MAGNETIC FIELDS
BONE GROWTH/REPAIR
CANCER
CLINICAL MEDICINE
LITERATURE REVIEW
MECHANISMS

HUMANS

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ELF BIOLOGICAL EFFECTS LITERATURE DATABASE

AUTHOR(S): SIKOV, M.R.

TITLE: REPRODUCTIVE AND DEVELOPMENTAL ALTERATIONS ASSOCIATED WITH EXPOSURE OF MAMMALS TO ELF (1-300 HZ) ELECTROMAGNETIC FIELDS

PUBLICATION DATE: MAY 1985

LANGUAGE:

ABSTRACT:

INDEX NUMBER: 85117

SOURCE: ASSESSMENTS AND VIEWPOINTS ON THE BIOLOGICAL AND HUMAN HEALTH EFFECTS OF EXTREMELY LOW FREQUENCY (ELF) ELECTROMAGNETIC FIELDS; AMERICAN INSTITUTE OF BIOLOGICAL SCIENCES, PP. 295-311

SUBJECT CATEGORIES

END POINTS

SPECIES

AC ELECTRIC FIELDS
AC MAGNETIC FIELDS

EMBRYOLOGY
GROWTH AND DEVELOPMENT
HUMAN HEALTH
REPRODUCTION
RESEARCH ASSESSMENT

ALL-INCLUSIVE

AUTHOR(S): SILIN, L.L. BROVYIN, S.V. GORFINKEL, I.L. VINOGRADOV, E.V.

TITLE: LOW-FREQUENCY VARIABLE MAGNETIC FIELD AS A CURE FOR DEFORMING ARTHROSIS OF THE KNEE JOINT

PUBLICATION DATE: MARCH-APRIL 1979

LANGUAGE: RUSSIAN

ABSTRACT: ENGLISH

INDEX NUMBER: 79019

SOURCE: VOPROSY, KURORTOLOGII, FIZIOTERAPII I LECHENIEBOI FIZICHESKOI KULTURY, NO. 2, PP. 41-43

SUBJECT CATEGORIES

END POINTS

SPECIES

AC MAGNETIC FIELDS

CLINICAL MEDICINE

HUMANS

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ELF BIOLOGICAL EFFECTS LITERATURE DATABASE

AUTHOR(S): SILVA, M. HUBER, D.

TITLE: EXPOSURE TO TRANSMISSION LINE ELECTRIC FIELDS DURING FARMING OPERATIONS

PUBLICATION DATE: SEPTEMBER 1985

LANGUAGE:

ABSTRACT:

INDEX NUMBER: 85103

SOURCE: IEEE TRANSACTIONS ON POWER APPARATUS AND SYSTEMS, VOL. PAS-104, NO. 9, PP. 2632-2640

SUBJECT CATEGORIES

AC ELECTRIC FIELDS

ASSESSMENT METHODS
HUMAN HEALTH

END POINTS

SPECIES

HUMANS

AUTHOR(S): SILVA, M. ZAFFANELLA, L. HUMMON, M.

TITLE: AN ACTIVITY SYSTEM MODEL FOR ESTIMATING HUMAN EXPOSURE TO 60 HZ ELECTRIC FIELDS

PUBLICATION DATE: JULY 1985

LANGUAGE:

ABSTRACT:

INDEX NUMBER: 85070

SOURCE: IEEE TRANSACTIONS ON POWER APPARATUS AND SYSTEMS, VOL. PAS-104, NO. 7, PP. 1923-1928

SUBJECT CATEGORIES

AC ELECTRIC FIELDS

ASSESSMENT METHODS
ELECTRIC FIELD MEASUREMENTS
MODELING

END POINTS

SPECIES

HUMANS

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ELF BIOLOGICAL EFFECTS LITERATURE DATABASE

AUTHOR(S): SIMMONS, J.W.

TITLE: TREATMENT OF FAILED POSTERIOR LUMBAR INTERBODY FUSION (PLIF) OF THE SPINE WITH PULSING ELECTROMAGNETIC FIELDS

PUBLICATION DATE: MARCH 1985

LANGUAGE:

ABSTRACT:

INDEX NUMBER: 85076

SOURCE: CLINICAL ORTHOPAEDICS AND RELATED RESEARCH, NO. 193, PP. 127-132

SUBJECT CATEGORIES

UNCONVENTIONAL MAGNETIC FIELDS

BONE GROWTH/REPAIR
CLINICAL MEDICINE

END POINTS

SPECIES

HUMANS

AUTHOR(S): SIMONIS, R.B. GOOD, C. COWELL, T.K.

TITLE: THE USE OF THE DENHAM EXTERNAL FIXATOR IN CONJUNCTION WITH ELECTROMAGNETIC INDUCTION OF FRACTURE HEALING

PUBLICATION DATE: SEPTEMBER 1982

LANGUAGE:

ABSTRACT: YES

INDEX NUMBER: 82016

SOURCE: TRANSACTIONS OF THE SECOND ANNUAL MEETING OF THE BIOELECTRICAL REPAIR AND GROWTH SOCIETY, P. 17

SUBJECT CATEGORIES

UNCONVENTIONAL MAGNETIC FIELDS

BONE GROWTH/REPAIR
CLINICAL MEDICINE
MODULATION

END POINTS

SPECIES

HUMANS

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ELF BIOLOGICAL EFFECTS LITERATURE DATABASE

AUTHOR(S): SIMONIS, R.B. GOOD, C. COWELL, T.K.

TITLE: THE TREATMENT OF NON-UNION BY PULSED ELECTROMAGNETIC FIELDS COMBINED WITH A DENHAM EXTERNAL FIXATOR

PUBLICATION DATE: JANUARY 1984

LANGUAGE:

ABSTRACT:

INDEX NUMBER: 84049

SOURCE: INJURY, VOL. 15, NO. 4, PP. 255-260

SUBJECT CATEGORIES

END POINTS

SPECIES

UNCONVENTIONAL MAGNETIC FIELD

BONE GROWTH/REPAIR
CLINICAL MEDICINE
MODULATION

HUMANS

AUTHOR(S): SISKEN, B.F. LAFFERTY, J.F. PILLA, A.A.

TITLE: THE EFFECTS OF INDUCTIVELY COUPLED CURRENT ON SENSORY AND SYMPATHETIC GANGLIA IN VITRO: COMPARISON WITH NERVE GROWTH FACTOR

PUBLICATION DATE: 1980

LANGUAGE:

ABSTRACT: YES

INDEX NUMBER: 80004

SOURCE: AMERICAN ELECTROCHEMICAL SOCIETY BIOELECTROCHEMICAL SYMPOSIUM PROCEEDINGS, PP. 1132-1133

SUBJECT CATEGORIES

END POINTS

SPECIES

UNCONVENTIONAL MAGNETIC FIELDS

CELL SYSTEMS
GROWTH AND DEVELOPMENT

DOMESTIC FOWL

PAGE 206 ELF BIOLOGICAL EFFECTS LITERATURE DATABASE

AUTHOR(S): SISKEN, B.F. McLEOD, B.

TITLE: THE EFFECT OF ORIENTATION OF HELMHOLTZ COILS ON NEURITE GROWTH OF NERVE GANGLIA IN VITRO

PUBLICATION DATE: SEPTEMBER 1982

LANGUAGE:

ABSTRACT: YES

INDEX NUMBER: 82029

SOURCE: TRANSACTIONS OF THE SECOND ANNUAL MEETING OF THE BIOELECTRICAL REPAIR AND GROWTH SOCIETY, P. 90

SUBJECT CATEGORIES

END POINTS

SPECIES

UNCONVENTIONAL MAGNETIC FIELDS

CELL SYSTEMS

EMBRYOLOGY

EXPOSURE FACILITIES

DOMESTIC FOWL

AUTHOR(S): SWIALOWICZ, R.J.

TITLE: HEMATOLOGIC AND IMMUNOLOGIC EFFECTS OF EXTREMELY LOW FREQUENCY ELECTROMAGNETIC FIELDS

PUBLICATION DATE: MARCH 1985

LANGUAGE:

ABSTRACT:

INDEX NUMBER: 85092

SOURCE: BIOLOGICAL AND HUMAN HEALTH EFFECTS OF EXTREMELY LOW FREQUENCY ELECTROMAGNETIC FIELDS; AMERICAN INSTITUTE OF BIOLOGICAL SCIENCES, CHAPTER 7

SUBJECT CATEGORIES

END POINTS

SPECIES

AC ELECTRIC FIELDS

BIOCHEMISTRY

AC MAGNETIC FIELDS

HUMAN HEALTH

IMMUNOLOGY

LITERATURE REVIEW

METABOLISM

MODULATION

RESEARCH ASSESSMENT

ALL-INCLUSIVE

PAGE 207 ELF BIOLOGICAL EFFECTS LITERATURE DATABASE

AUTHOR(S): SMITH, S.D. FEOLA, J.M.

TITLE: PULSED MAGNETIC FIELD MODULATION OF LSA TUMORS IN MICE

PUBLICATION DATE: 1982

LANGUAGE:

ABSTRACT:

INDEX NUMBER: 82061

SOURCE: JOURNAL OF BIOELECTRICITY, VOL. 1, NO. 2, PP. 207-229

SUBJECT CATEGORIES

END POINTS

SPECIES

UNCONVENTIONAL MAGNETIC FIELDS

CANCER

MECHANISMS

MODULATION

MORTALITY

PATHOLOGY

SMALL MAMMALS

AUTHOR(S): SMITH-SONNEBORN, J.

TITLE: EFFECTS OF WEAK PULSATING CURRENT ON VITALITY IN PARAMECIUM

PUBLICATION DATE: MARCH 1982

LANGUAGE:

ABSTRACT: YES

INDEX NUMBER: 82006

SOURCE: ABSTRACTS OF PAPERS OF THE AMERICAN CHEMICAL SOCIETY, 183

SUBJECT CATEGORIES

END POINTS

SPECIES

UNCONVENTIONAL MAGNETIC FIELDS

CELL SYSTEMS

MITOTIC CYCLE

MODULATION

REPRODUCTION

BACTERIA

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ELF BIOLOGICAL EFFECTS LITERATURE DATABASE

AUTHOR(S): SNIDER, R.J. SNIDER, R.M.

TITLE: ELF COMMUNICATIONS SYSTEM ECOLOGICAL MONITORING PROGRAM: SOIL AND LITTER ARTHROPODA AND EARTHWORM STUDIES

PUBLICATION DATE: JUNE 1985

LANGUAGE:

ABSTRACT:

INDEX NUMBER: 85131

SOURCE: COMPILATION OF 1984 ANNUAL REPORTS OF THE NAVY ELF COMMUNICATIONS SYSTEM ECOLOGICAL MONITORING PROGRAM, VOL. 1, TAB E, IIT RESEARCH INSTITUTE REPORT ED6549-17

SUBJECT CATEGORIES

AC ELECTRIC FIELDS
AC MAGNETIC FIELDS

ASSESSMENT METHODS
ECOLOGY STUDIES
POPULATION DYNAMICS
SPECIES DIVERSITY

END POINTS

SPECIES

SOIL ORGANISMS

AUTHOR(S): SOLBATOVA, L.P. UOINTSEV, M.A.

TITLE: CHARACTERISTICS OF THE CEREBRAL CORTEX NEURONAL REACTION TO EXPOSURE TO AN ALTERNATING MAGNETIC FIELD DURING THE ADMINISTRATION OF GLUTAMIC ACID

PUBLICATION DATE: 1984

LANGUAGE: RUSSIAN

ABSTRACT: ENGLISH

INDEX NUMBER: 84085

SOURCE: BIO. NAUKI, NO. 1, PP. 52-54

SUBJECT CATEGORIES

AC MAGNETIC FIELDS

BIOCHEMISTRY
BRAIN SYSTEM
NEUROPHYSIOLOGY

END POINTS

SPECIES

SMALL MAMMALS

ELF BIOLOGICAL EFFECTS LITERATURE DATABASE

PAGE 209

AUTHOR(S): SPIEGEL,R.J.

TITLE: HIGH-VOLTAGE ELECTRIC FIELD COUPLING TO HUMANS USING MOMENT METHOD TECHNIQUES

PUBLICATION DATE: SEPTEMBER 1977

LANGUAGE:

ABSTRACT:

INDEX NUMBER: 77006

SOURCE: IEEE TRANSACTIONS ON BIOMEDICAL ENGINEERING, VOL. BME-24, NO. 5, PP. 466-472

SUBJECT CATEGORIES

END POINTS

SPECIES

AC ELECTRIC FIELDS

ASSESSMENT METHODS

CURRENT DENSITY

FIELD EQUATIONS

METABOLISM

MODELING

HUMANS

AUTHOR(S): SPITZ, M.R. JOHNSON, C.C.

TITLE: NEUROBLASTOMA AND PATERNAL OCCUPATION (A CASE-CONTROL ANALYSIS)

PUBLICATION DATE: 1985

LANGUAGE:

ABSTRACT:

INDEX NUMBER: 85063

SOURCE: AMERICAN JOURNAL OF EPIDEMIOLOGY, VOL. 121, NO. 6, PP. 924-929

SUBJECT CATEGORIES

END POINTS

SPECIES

UNSPECIFIED FIELDS

BRAIN SYSTEM

CANCER

EPIDEMIOLOGY

HUMAN HEALTH

MORTALITY

PUBLIC HEALTH

HUMANS

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ELF BIOLOGICAL EFFECTS LITERATURE DATABASE

AUTHOR(S): SQUIRES, S.

TITLE: ELECTROPOLLUTION

PUBLICATION DATE: MAY 1985

LANGUAGE:

ABSTRACT:

INDEX NUMBER: 85008

SOURCE: THE WASHINGTON POST WEEKLY JOURNAL OF MEDICINE, (HEALTH), P. 2

SUBJECT CATEGORIES	END POINTS	SPECIES
UNSPECIFIED FIELDS	OCCUPATIONAL HEALTH	AMPHIBIANS
BRAIN SYSTEM	PSYCHOLOGY	DOMESTIC FOWL
CALCIUM EFFLUX	PUBLIC HEALTH	HUMANS
CANCER	WINDOW EFFECT	SMALL MAMMALS
CELL SYSTEMS		
CIRCADIAN RHYTHMS		
EXPOSURE STANDARDS		
GROWTH AND DEVELOPMENT		
HEART RATE		
HUMAN HEALTH		
LITERATURE REVIEW		

AUTHOR(S): STEARNS, F. GUNTENSEN, G. KEOUGH, H. WIKUM, D.

TITLE: ELF COMMUNICATIONS SYSTEM ECOLOGICAL MONITORING PROGRAM: WETLAND STUDIES

PUBLICATION DATE: JUNE 1985

LANGUAGE:

ABSTRACT:

INDEX NUMBER: 85135

SOURCE: COMPILATION OF 1984 ANNUAL REPORTS OF THE NAVY ELF COMMUNICATIONS SYSTEM ECOLOGICAL MONITORING PROGRAM, VOL. 2, TAB 1, IIT RESEARCH INSTITUTE REPORT ED6549-17

SUBJECT CATEGORIES	END POINTS	SPECIES
AC ELECTRIC FIELDS	ASSESSMENT METHODS	PLANTS
AC MAGNETIC FIELDS	ECOLOGY STUDIES	

ELF BIOLOGICAL EFFECTS LITERATURE DATABASE

PAGE 211

AUTHOR(S): STERN, S. LATIES, V.G.

TITLE: 60-HZ ELECTRIC FIELDS: DETECTION BY FEMALE RATS

PUBLICATION DATE: 1985

LANGUAGE:

ABSTRACT:

INDEX NUMBER: 85085

SOURCE: BIOELECTROMAGNETICS, VOL. 6, PP. 99-103

SUBJECT CATEGORIES

END POINTS

SPECIES

AC ELECTRIC FIELDS

BEHAVIOR
PERCEPTION
PSYCHOLOGY

SMALL MAMMALS

219

AUTHOR(S): STERN, S. LATIES, V.G.

TITLE: BEHAVIORAL EFFECTS OF EXTREMELY LOW FREQUENCY ELECTRIC AND MAGNETIC FIELDS

PUBLICATION DATE: MAY 1985

LANGUAGE:

ABSTRACT:

INDEX NUMBER: 85118

SOURCE: ASSESSMENTS AND VIEWPOINTS ON THE BIOLOGICAL AND HUMAN HEALTH EFFECTS OF EXTREMELY LOW FREQUENCY (ELF) ELECTROMAGNETIC FIELDS; AMERICAN INSTITUTE OF BIOLOGICAL SCIENCES, PP. 313-335

SUBJECT CATEGORIES

END POINTS

SPECIES

AC ELECTRIC FIELDS
AC MAGNETIC FIELDS

AVERSION
BEHAVIOR
HUMAN HEALTH
PERCEPTION
PSYCHOLOGY
RESEARCH ASSESSMENT

ALL-INCLUSIVE

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ELF BIOLOGICAL EFFECTS LITERATURE DATABASE

AUTHOR(S): STEVENSON, A.P. TOREY, R.A.

TITLE: POTASSIUM ION INFUX MEASUREMENTS ON CULTURED CHINESE HAMSTER CELLS EXPOSED TO 60-HERTZ ELECTROMAGNETIC FIELDS

PUBLICATION DATE: 1985

LANGUAGE:

ABSTRACT:

INDEX NUMBER: 85010

SOURCE: BIOELECTROMAGNETICS, VOL. 6, PP. 189-198

SUBJECT CATEGORIES

AC ELECTRIC FIELDS
AC MAGNETIC FIELDS

BIOCHEMISTRY
CELL SYSTEMS

END POINTS

SPECIES

SMALL MAMMALS

220

AUTHOR(S): STIMMER, H.

TITLE: THE BIOLOGICAL EFFECT OF ELECTRIC FIELDS ON MAN

PUBLICATION DATE: MARCH 1977

LANGUAGE: GERMAN

ABSTRACT: ENGLISH

INDEX NUMBER: 77020

SOURCE: OSTERREICHISCHE ZEITSCHRIFT FÜR ELECTRIZ, VOL. 30, NO. 3, PP. 86-89

SUBJECT CATEGORIES

AC ELECTRIC FIELDS

AESTHETIC SYNDROME
BIOCHEMISTRY
BODY CURRENT
CARDIOVASCULAR FUNCTION
EPIDEMIOLOGY
HUMAN HEALTH
LITERATURE REVIEW
OCCUPATIONAL HEALTH

END POINTS

SPECIES

HUMANS

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ELF BIOLOGICAL EFFECTS LITERATURE DATABASE

AUTHOR(S): STOLLERY, R.T.

TITLE: CAN INDUCED 50-HZ CURRENTS AFFECT MENTAL FUNCTIONS?

PUBLICATION DATE: JUNE 1985

LANGUAGE:

ABSTRACT: YES

INDEX NUMBER: B5055

SOURCE: BIOELECTROMAGNETICS SOCIETY 7TH ANNUAL MEETING

SUBJECT CATEGORIES

END POINTS

SPECIES

AC ELECTRIC FIELDS

PSYCHOLOGY

STRESS RESPONSE

HUMANS

221

AUTHOR(S): STRAUB, K.D.

TITLE: MOLECULAR ABSORPTION OF NON-IONIZING RADIATION IN BIOLOGICAL SYSTEMS

PUBLICATION DATE: JUNE 1977

LANGUAGE:

ABSTRACT:

INDEX NUMBER: 77040

SOURCE: THE PHYSICAL BASIS OF ELECTROMAGNETIC INTERACTIONS WITH BIOLOGICAL SYSTEMS, UNIVERSITY OF MARYLAND, PP. 35-42

SUBJECT CATEGORIES

END POINTS

SPECIES

UNSPECIFIED

CELL SYSTEMS
MECHANISMS

UNSPECIFIED

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ELF BIOLOGICAL EFFECTS LITERATURE DATABASE

AUTHOR(S): STRELKOVA, N.I. GAVRILKOV, A.T. DIUZHILOVA, N.F. STREL'TSOVA, E.N.

TITLE: STATUS OF CEREBRAL CIRCULATION IN PATIENTS WITH HEMIPLEGIA OF VASCULAR AND TRAUMATIC ORIGIN TREATED WITH DECIMETER THERAPY AND AN ALTERNATING MAGNETIC FIELD

PUBLICATION DATE: 1981

LANGUAGE: RUSSIAN

ABSTRACT:

INDEX NUMBER: 81030

SOURCE: ZHURNAL NEURIPATOLOGIE I PSIKHIATRII, VOL 81, NO. 8, PP. 1162-1166

SUBJECT CATEGORIES

END POINTS

SPECIES

AC ELECTRIC FIELDS

BRAIN SYSTEM
CLINICAL MEDICINE

HUMANS

AUTHOR(S): STUCHLEY, S.S. KRASZENSKI, A. STUCHLEY, M.A.

TITLE: A SIMPLE COAXIAL EXPOSURE CELL FOR BIOLOGICAL SUBSTANCES

PUBLICATION DATE: JUNE 1985

LANGUAGE:

ABSTRACT: YES

INDEX NUMBER: 85031

SOURCE: BIOELECTROMAGNETICS SOCIETY 7TH ANNUAL MEETING

SUBJECT CATEGORIES

END POINTS

SPECIES

AC ELECTRIC FIELDS

EXPOSURE FACILITIES

UNSPECIFIED

PAGE 215 ELF BIOLOGICAL EFFECTS LITERATURE DATABASE

AUTHOR(S): STUERNER, K.M. SCHMITT-NEUBURG, K.P. KEHR, H.

TITLE: THE QUANTITY OF NEW BONE FORMATION IN CANCELLOUS BONE GRAFTS UNDER ELECTROMAGNETICALLY INDUCED ALTERNATING CURRENT

PUBLICATION DATE: NOVEMBER 1981 LANGUAGE: ABSTRACT: YES INDEX NUMBER: 81013

SOURCE: TRANSACTIONS OF THE FIRST ANNUAL MEETING OF THE BIOELECTRICAL REPAIR AND GROWTH SOCIETY, P. 12

SUBJECT CATEGORIES END POINTS SPECIES

UNCONVENTIONAL MAGNETIC FIELDS BONE GROWTH/REPAIR CANINES

223

AUTHOR(S): SULFOR, R.

TITLE: HIGH-VOLTAGE POWER LINES AND HUMAN HEALTH

PUBLICATION DATE: JANUARY 1979 LANGUAGE: ABSTRACT: INDEX NUMBER: 79021

SOURCE: PUBLIC UTILITIES FORTNIGHTLY, PP. 11-15

SUBJECT CATEGORIES END POINTS SPECIES

AC ELECTRIC FIELDS CARDIAC PACEMAKERS HUMANS
AC MAGNETIC FIELDS HUMAN HEALTH
LITERATURE REVIEW
PUBLIC HEALTH

ELF BIOLOGICAL EFFECTS LITERATURE DATABASE

PAGE 216

AUTHOR(S): SULZMAN

TITLE: EFFECTS OF ELECTROMAGNETIC FIELDS ON CIRCADIAN RHYTHMS

PUBLICATION DATE: MAY 1985

LANGUAGE:

ABSTRACT:

INDEX NUMBER: 85119

SOURCE: ASSESSMENTS AND VIEWPOINTS ON THE BIOLOGICAL AND HUMAN HEALTH EFFECTS OF EXTREMELY LOW FREQUENCY (ELF) ELECTROMAGNETIC FIELDS; AMERICAN INSTITUTE OF BIOLOGICAL SCIENCES, PP. 337-350

SUBJECT CATEGORIES

END POINTS

SPECIES

AC ELECTRIC FIELDS
AC MAGNETIC FIELDS
GEOMAGNETIC FIELDS

BEHAVIOR
CIRCADIAN RHYTHMS
HUMAN HEALTH
RESEARCH ASSESSMENT
SHIELDING EFFECT

ALL-INCLUSIVE

224

AUTHOR(S): SUN, F.Y. ZHANG, A.Z. ZHANG, L.N. YU, G.H.

TITLE: INHIBITORY EFFECTS OF DYNORPHIN ON ELECTRIC FIELD STIMULATION-INDUCED CONTRACTION OF BLOOD VESSELS IN VITRO

PUBLICATION DATE: DECEMBER 1984

LANGUAGE: CHINESE

ABSTRACT: ENGLISH

INDEX NUMBER: 84100

SOURCE: CHUNG KAO YAO LI HSUEH PAO, VOL. 5, NO. 4, PP. 245-248

SUBJECT CATEGORIES

END POINTS

SPECIES

UNSPECIFIED FIELDS

BIOCHEMISTRY
CARDIOVASCULAR SYSTEM

CANINES
SMALL MAMMALS

ELF BIOLOGICAL EFFECTS LITERATURE DATABASE

PAGE 217

AUTHOR(S): SWICORD, M.L.

TITLE: POSSIBLE BIOPHYSICAL MECHANISMS OF ELECTROMAGNETIC INTERACTIONS WITH BIOLOGICAL SYSTEMS

PUBLICATION DATE: MARCH 1985

LANGUAGE:

ABSTRACT:

INDEX NUMBER: 85088

SOURCE: BIOLOGICAL AND HUMAN HEALTH EFFECTS OF EXTREMELY LOW FREQUENCY ELECTROMAGNETIC FIELDS; AMERICAN INSTITUTE OF BIOLOGICAL SCIENCES, CHAPTER 3

SUBJECT CATEGORIES	END POINTS	SPECIES
AC ELECTRIC FIELDS AC MAGNETIC FIELDS	BIOCHEMISTRY CALCIUM EFFLUX CELL SYSTEMS HUMAN HEALTH LITERATURE REVIEW MECHANISMS MODELING MODULATION NEUROPHYSIOLOGY RESEARCH ASSESSMENT	ALL-INCLUSIVE

225

AUTHOR(S): SYNDER, V.M. ZWIERZCHOWSKI, H. ZIELINKI, K.W.

TITLE: EXPERIMENTAL STUDIES OF BONE FRACTURE HEALING IN A PULSATING MAGNETIC FIELD

PUBLICATION DATE: JANUARY 1984

LANGUAGE: GERMAN

ABSTRACT: ENGLISH

INDEX NUMBER: 84101

SOURCE: BEITR. ORTHOP. TRAUMATOL. VOL. 31, NO. 1, PP. 1-7

SUBJECT CATEGORIES	END POINTS	SPECIES
UNCONVENTIONAL MAGNETIC FIELDS	BONE GROWTH/REPAIR	SMALL MAMMALS

AUTHOR(S): TAKUMA, T. YAMAMOTO, T. SUNAGA, Y.

TITLE: ANALYSIS OF CALIBRATION ARRANGEMENTS FOR AC FIELD STRENGTH METERS

PUBLICATION DATE: FEBRUARY 1985

LANGUAGE:

ABSTRACT:

INDEX NUMBER: 85071

SOURCE: IEEE TRANSACTIONS ON POWER APPARATUS AND SYSTEMS, VOL. PAS-104, NO. 2, PP. 489-496

SUBJECT CATEGORIES

END POINTS

SPECIES

AC ELECTRIC FIELDS

ELECTRIC FIELD MEASUREMENTS
MEASUREMENT METHODS

UNSPECIFIED

AUTHOR(S): TAKUMA, T. YAMAMOTO, T. YASUI, M. MUROOKA, M. KATOH, J.

TITLE: ANALYSIS OF EFFECT OF SHIELD WIRES ON ELECTROSTATIC INDUCTION BY AC TRANSMISSION LINES

PUBLICATION DATE: SEPTEMBER 1985

LANGUAGE:

ABSTRACT:

INDEX NUMBER: 85104

SOURCE: IEEE TRANSACTIONS ON POWER APPARATUS AND SYSTEMS, VOL. PAS-104, NO. 9, PP. 2612-2618

SUBJECT CATEGORIES

END POINTS

SPECIES

AC ELECTRIC FIELDS

ELECTRIC FIELD MEASUREMENTS
FIELD EQUATIONS
INDUCTIVE COUPLING
SHIELDING EFFECT

UNSPECIFIED

ELF BIOLOGICAL EFFECTS LITERATURE DATABASE

PAGE 219

AUTHOR(S): TELL, R.A. BERMAN, E.

TITLE: SUMMARY REPORT ON VISIT TO DEPARTAMENTO DE INVESTIGACION, CENTRO RAMON Y CAJAL, MADRID, SPAIN

PUBLICATION DATE: OCTOBER 1984

LANGUAGE:

ABSTRACT:

INDEX NUMBER: 84001

SOURCE: U.S. ENVIRONMENTAL PROTECTION AGENCY

SUBJECT CATEGORIES

END POINTS

SPECIES

UNCONVENTIONAL MAGNETIC FIELDS

ELECTRIC FIELD MEASUREMENTS
EXPOSURE FACILITIES
MAGNETIC FIELD MEASUREMENTS
RESEARCH ASSESSMENT

DOMESTIC FOWL

227

AUTHOR(S): TENFORDE, T.S.

TITLE: BIOLOGICAL EFFECTS OF ELF MAGNETIC FIELDS

PUBLICATION DATE: MARCH 1985

LANGUAGE:

ABSTRACT:

INDEX NUMBER: 85089

SOURCE: BIOLOGICAL AND HUMAN HEALTH EFFECTS OF EXTREMELY LOW FREQUENCY ELECTROMAGNETIC FIELDS; AMERICAN INSTITUTE OF BIOLOGICAL SCIENCES, CHAPTER 4

SUBJECT CATEGORIES

END POINTS

SPECIES

AC MAGNETIC FIELDS

BEHAVIOR
CANCER
CELL SYSTEMS
CURRENT DENSITY
EPIDEMIOLOGY
FIELD EXPOSURES
HUMAN HEALTH
LEUKEMIA
LITERATURE REVIEW
MECHANISMS

MODULATION
NEUROPHYSIOLOGY
OPTICAL EFFECTS
RESEARCH ASSESSMENT
STRESS RESPONSE
WINDOW EFFECT

ALL-INCLUSIVE

PAGE 220

ELF BIOLOGICAL EFFECTS LITERATURE DATABASE

AUTHOR(S): TERNOVOI, K.S. DERZHAYIN, A.E.

TITLE: MAGNETICALLY CONTROLLED DRUGS. THEORETICAL AND EXPERIMENTAL SUBSTANTIATION (REVIEW OF THE LITERATURE)

PUBLICATION DATE: JUNE 1984

LANGUAGE: RUSSIAN

ABSTRACT:

INDEX NUMBER: 84102

SOURCE: VRACH DELO, NO. 6, PP. 13-18

SUBJECT CATEGORIES

END POINTS

SPECIES

UNSPECIFIED FIELDS

CANCER
LITERATURE REVIEW
PHYSIOLOGY
TUMORS

SMALL MAMMALS

228

AUTHOR(S): TIMIRAS, P.S.

TITLE: EFFECTS OF ELECTROMAGNETIC FIELDS ON NEUROENDOCRINE SYSTEMS

PUBLICATION DATE: MAY 1985

LANGUAGE:

ABSTRACT:

INDEX NUMBER: 85120

SOURCE: ASSESSMENTS AND VIEWPOINTS ON THE BIOLOGICAL AND HUMAN HEALTH EFFECTS OF EXTREMELY LOW FREQUENCY (ELF) ELECTROMAGNETIC FIELDS; AMERICAN INSTITUTE OF BIOLOGICAL SCIENCES, PP. 351-364

SUBJECT CATEGORIES

END POINTS

SPECIES

UNSPECIFIED FIELDS

NEUROPHYSIOLOGY
RESEARCH ASSESSMENT

ALL-INCLUSIVE

PAGE 221

ELF BIOLOGICAL EFFECTS LITERATURE DATABASE

AUTHOR(S): TODOROV, N. POPDIMITROVA, N. KYNCEV, N. METODIEVA, N.

TITLE: SOME ASPECTS OF THE EFFECT OF PULSE ALTERNATING MAGNETIC FIELD ON SKIN REACTIVITY

PUBLICATION DATE: 1980

LANGUAGE: RUSSIAN

ABSTRACT: ENGLISH

INDEX NUMBER: 80012

SOURCE: VOPI KUDORTOL FIZIOTER LECH FIZ KULT, VOL. 6, PP. 28-32

SUBJECT CATEGORIES

END POINTS

SPECIES

UNCONVENTIONAL MAGNETIC FIELDS

UNSPECIFIED

UNSPECIFIED

229

AUTHOR(S): TOMPKINS, W.A.F. LOCKWOOD, J.F. GANSAVAL, R.R. CAIN, C.A.

TITLE: IMMUNOLOGICAL EFFECTS OF EXTREMELY LOW FREQUENCY ELECTROMAGNETIC FIELDS

PUBLICATION DATE: MAY 1985

LANGUAGE:

ABSTRACT:

INDEX NUMBER: 85121

SOURCE: ASSESSMENTS AND VIEWPOINTS ON THE BIOLOGICAL AND HUMAN HEALTH EFFECTS OF EXTREMELY LOW FREQUENCY (ELF) ELECTROMAGNETIC FIELDS; AMERICAN INSTITUTE OF BIOLOGICAL SCIENCES, PP. 365-382

SUBJECT CATEGORIES

END POINTS

SPECIES

AC ELECTRIC FIELDS
AC MAGNETIC FIELDS

IMMUNOLOGY
RESEARCH ASSESSMENT

ALL-INCLUSIVE

ELF BIOLOGICAL EFFECTS LITERATURE DATABASE

PAGE 222

AUTHOR(S): UDINTSEV, N.A. MOROZ, V.V.

TITLE: HYPOPHYSICAL ADRENAL SYSTEM FUNCTION IN VARIOUS SCHEDULES OF EXPOSURE TO ALTERNATING MAGNETIC FIELD OF COMMERCIAL FREQUENCY

PUBLICATION DATE: 1982

LANGUAGE: RUSSIAN

ABSTRACT: ENGLISH

INDEX NUMBER: 82073

SOURCE: GIGIENNA TRUDA PROFESSIONAL'NYVE ZABOLEVANIYA O, NO.12, PP. 54-56

SUBJECT CATEGORIES

END POINTS

SPECIES

UNSPECIFIED FIELDS

BEHAVIOR

SMALL MAMMALS

230

AUTHOR(S): UENO, S. KITAHARA, T. HARADA, K. SHIOYAMA, K.

TITLE: THE EFFECTS OF ELF MAGNETIC AND ELECTRIC FIELDS ON THE EMBRYONIC DEVELOPMENT OF FROGS

PUBLICATION DATE: JUNE 1985

LANGUAGE:

ABSTRACT: YES

INDEX NUMBER: 85020

SOURCE: BIOELECTROMAGNETICS SOCIETY 7TH ANNUAL MEETING

SUBJECT CATEGORIES

END POINTS

SPECIES

AC ELECTRIC FIELDS

CURRENT DENSITY

AC MAGNETIC FIELDS

EMBRYOLOGY

UNCONVENTIONAL ELECTRIC FIELDS

GROWTH AND DEVELOPMENT

MORTALITY

AMPHIBIANS

PAGE 223

ELF BIOLOGICAL EFFECTS LITERATURE DATABASE

AUTHOR(S): VAINSTEIN, E.S. KIVAEV, A.A. BABICH, L.V. ABUSOVA, T.D.

TITLE: THE USE OF VARIABLE MAGNETIC FIELD IN THE TREATMENT OF ACUTE KERATOCONUS

PUBLICATION DATE: SEP-OCTOBER 1984

LANGUAGE: RUSSIAN

ABSTRACT: ENGLISH

INDEX NUMBER: 84086

SOURCE: VESTN. OFTALMOL, NO. 5, PP. 44-46

SUBJECT CATEGORIES

END POINTS

SPECIES

UNSPECIFIED FIELDS

CLINICAL MEDICINE
OPTICAL EFFECTS

HUMANS

AUTHOR(S): VAINSTEIN, E.S. ZORINA, L.V. KRUKHOVA, G.V. MEZENTSEVA, G.A.

TITLE: AN EXPERIENCE OF USING ALTERNATING MAGNETIC FIELD FOR TREATING EDEMATOUS EXOPHTHALMOS

PUBLICATION DATE: SEPT-OCTOBER 1983

LANGUAGE: RUSSIAN

ABSTRACT: ENGLISH

INDEX NUMBER: 83009

SOURCE: VESTNIK OFTALMOLOGII, NO. 5, PP. 63-65

SUBJECT CATEGORIES

END POINTS

SPECIES

AC MAGNETIC FIELDS

CLINICAL MEDICINE
OPTICAL EFFECTS

HUMANS

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ELF BIOLOGICAL EFFECTS LITERATURE DATABASE

AUTHOR(S): VASSILEV, P.M. DRONZINE, R.T. VASSILEVA, M.P. GEORGIEV, G.A.

TITLE: PARALLEL ARRAYS OF MICROTUBULES FORMED IN ELECTRIC AND MAGNETIC FIELDS

PUBLICATION DATE: 1982

LANGUAGE:

ABSTRACT:

INDEX NUMBER: 82003

SOURCE: BIOSCIENCE REPORTS, NO. 2, PP. 1025-1029 (THE BIOCHEMICAL SOCIETY)

SUBJECT CATEGORIES

END POINTS

SPECIES

AC ELECTRIC FIELDS

CELL SYSTEMS
MECHANISMS
ORIENTATION

SMALL MAMMALS

AUTHOR(S): VERZIN, A.A. KOLESNIKOVA, L.N.

TITLE: CLINICAL ASPECTS OF THE EFFECTS OF ALTERNATING MAGNETIC FIELD ON POST-OPERATIONAL COMPLICATIONS

PUBLICATION DATE: 1982

LANGUAGE: RUSSIAN

ABSTRACT: ENGLISH

INDEX NUMBER: 82068

SOURCE: VESTNIK OPHTHALMOLOGII, NO. 3, PP. 56-57

SUBJECT CATEGORIES

END POINTS

SPECIES

AC MAGNETIC FIELDS

CLINICAL MEDICINE
OPTICAL EFFECTS

HUMANS

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ELF BIOLOGICAL EFFECTS LITERATURE DATABASE

AUTHOR(S): VOBEL, C.

TITLE: ELECTROMAGNETIC THERAPY: JUMBO-JUMBO OR SCIENCE?

PUBLICATION DATE: JANUARY 1984

LANGUAGE:

ABSTRACT:

INDEX NUMBER: 84095

SOURCE: THE VETERINARY RECORD, VOL. 114, NO. 3, P. 57

SUBJECT CATEGORIES

END POINTS

SPECIES

UNCONVENTIONAL MAGNETIC FIELDS

VETERINARY MEDICINE

LARGE MAMMALS

AUTHOR(S): VOLYNSEYII, A.M.

TITLE: CHANGES IN THE NERVOUS AND CARDIAC ACTIVITIES IN ANIMALS OF DIFFERENT AGES AFTER EXPOSURE TO LOW-FREQUENCY LOW-INTENSITY ELECTROMAGNETIC FIELDS

PUBLICATION DATE: 1982

LANGUAGE: RUSSIAN

ABSTRACT: ENGLISH

INDEX NUMBER: 82067

SOURCE: PROBLEMY KOSMECHESKOE BIOLOGII, NO. 43, PP. 98-108

SUBJECT CATEGORIES

END POINTS

SPECIES

UNCONVENTIONAL ELECTRIC FIELDS

BRAIN SYSTEM
HEART RATE

SMALL MAMMALS

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ELF BIOLOGICAL EFFECTS LITERATURE DATABASE

AUTHOR(S): WACHTEL, N.

TITLE: NEURAL EFFECTS OF EXTREMELY LOW FREQUENCY FIELDS AS A FUNCTION OF INDUCED TISSUE CURRENT DENSITY

PUBLICATION DATE: MAY 1985

LANGUAGE:

ABSTRACT:

INDEX NUMBER: 85122

SOURCE: ASSESSMENTS AND VIEWPOINTS ON THE BIOLOGICAL AND HUMAN HEALTH EFFECTS OF EXTREMELY LOW FREQUENCY (ELF) ELECTROMAGNETIC FIELDS; AMERICAN INSTITUTE OF BIOLOGICAL SCIENCES, PP. 383-402

SUBJECT CATEGORIES

END POINTS

SPECIES

AC ELECTRIC FIELDS

CELL SYSTEMS

CURRENT DENSITY

HUMAN HEALTH

RESEARCH ASSESSMENT

TISSUE CULTURES

ALL-INCLUSIVE

234

AUTHOR(S): WAHLSTROM, O.

TITLE: ELECTROMAGNETIC FIELDS USED IN THE TREATMENT OF FRESH FRACTURES OF THE RADIUS

PUBLICATION DATE: SEPTEMBER 1982

LANGUAGE:

ABSTRACT: YES

INDEX NUMBER: 82015

SOURCE: TRANSACTIONS OF THE SECOND ANNUAL MEETING OF THE BIOELECTRICAL REPAIR AND GROWTH SOCIETY, P. 16

SUBJECT CATEGORIES

END POINTS

SPECIES

AC MAGNETIC FIELDS

BONE GROWTH/REPAIR

HUMANS

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ELF BIOLOGICAL EFFECTS LITERATURE DATABASE

AUTHOR(S): WAHLSTROM, O.

TITLE: STIMULATION OF FRACTURE HEALING WITH ELECTROMAGNETIC FIELDS OF EXTREMELY LOW FREQUENCY

PUBLICATION DATE: JUNE 1984

LANGUAGE:

ABSTRACT:

INDEX NUMBER: 84050

SOURCE: CLINICAL ORTHOPAEDICS AND RELATED RESEARCH, NO. 186, PP. 293-301

SUBJECT CATEGORIES

UNCONVENTIONAL MAGNETIC FIELDS

BONE GROWTH/REPAIR
CLINICAL MEDICINE

END POINTS

SPECIES

HUMANS

AUTHOR(S): WAHLSTROM, O. KNUTSSON, H.

TITLE: A DEVICE FOR GENERATION OF ELECTROMAGNETIC FIELDS OF EXTREMELY LOW FREQUENCY

PUBLICATION DATE: OCTOBER 1984

LANGUAGE:

ABSTRACT:

INDEX NUMBER: 84096

SOURCE: JOURNAL OF BIOMEDICAL ENGINEERING, VOL. 6, NO. 4, PP. 293-296

SUBJECT CATEGORIES

UNCONVENTIONAL MAGNETIC FIELDS

BONE GROWTH/REPAIR
CLINICAL MEDICINE
CURRENT DENSITY
INSTRUMENTATION

END POINTS

SPECIES

HUMANS

PAGE 228 ELF BIOLOGICAL EFFECTS LITERATURE DATABASE

AUTHOR(S): WALCOTT, C.

TITLE: MAGNETIC FIELDS AND THE ORIENTATION OF HOMING PIGEONS UNDER SUN

PUBLICATION DATE: 1977

LANGUAGE:

ABSTRACT:

INDEX NUMBER: 77013

SOURCE: JOURNAL OF EXPERIMENTAL BIOLOGY, NO. 70, PP. 105-123

SUBJECT CATEGORIES

GEOMAGNETIC FIELDS
BEHAVIOR
ORIENTATION

END POINTS

SPECIES

AVIANS

AUTHOR(S): WALKER, M.M. KIRSCHVINK, J.L. CHANG, S.-B.R. DIZON, A.E.

TITLE: A CANDIDATE MAGNETIC SENSE ORGAN IN THE YELLOWFIN TUNA, THUNNUS ALBACARES

PUBLICATION DATE: MAY 1984

LANGUAGE:

ABSTRACT:

INDEX NUMBER: 84024

SOURCE: SCIENCE MAGAZINE, VOL. 224, NO. 4650, PP. 751-753

SUBJECT CATEGORIES

UNSPECIFIED FIELDS
ELECTROSENSITIVITY

END POINTS

SPECIES

FISH

PAGE 229 ELF BIOLOGICAL EFFECTS LITERATURE DATABASE

AUTHOR(S): WANG, M. MUKHEDKAR, D. GERVASIS, Y.

TITLE: SENSITIVITY ANALYSIS OF THE TOTAL ACCIDENT PROBABILITY OF A GROUNDING SYSTEM

PUBLICATION DATE: JULY 1985

LANGUAGE:

ABSTRACT:

INDEX NUMBER: 85072

SOURCE: IEEE TRANSACTIONS ON POWER APPARATUS AND SYSTEMS, VOL. PAS-104, NO. 7, PP. 1761-1765

SUBJECT CATEGORIES

AC ELECTRIC FIELDS

ASSESSMENT METHODS
ELECTRIC SHOCK
STEP POTENTIAL

END POINTS

SPECIES

HUMANS

237

AUTHOR(S): WANG, M. VELAZQUEZ, R. MUKHEDKAR, D. GERVASIS, Y.

TITLE: A PRACTICAL PROBABALISTIC METHOD TO EVALUATE TOLERABLE STEP AND TOUCH VOLTAGES

PUBLICATION DATE: DECEMBER 1984

LANGUAGE:

ABSTRACT:

INDEX NUMBER: 84025

SOURCE: IEEE TRANSACTIONS ON POWER APPARATUS AND SYSTEMS, VOL. PAS-103, NO. 12, PP. 3522-3530

SUBJECT CATEGORIES

AC ELECTRIC FIELDS

ASSESSMENT METHODS
ELECTRIC SHOCK
INDUCTIVE COUPLING
STEP POTENTIAL

END POINTS

SPECIES

HUMANS

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ELF BIOLOGICAL EFFECTS LITERATURE DATABASE

AUTHOR(S): WANGLER, R.B. BRADLEY, P.M. CLIFT, M.D. DAVIDSON, D. HIGGINS, L. SANDSTROM, K. STEPHENS, R.

TITLE: LEUKAEMIA RISK IN AMATEUR RADIO OPERATORS (LETTER TO THE EDITOR)

PUBLICATION DATE: JUNE 1985

LANGUAGE:

ABSTRACT:

INDEX NUMBER: 85105

SOURCE: THE LANCET, P. 1516

SUBJECT CATEGORIES

END POINTS

SPECIES

UNSPECIFIED FIELDS

EPIDEMIOLOGY
HUMAN HEALTH
LEUKEMIA
MORTALITY
PUBLIC HEALTH

HUMANS

238

AUTHOR(S): WASTI, K.

TITLE: HEALTH EFFECTS OF HIGH VOLTAGE TRANSMISSION LINES

PUBLICATION DATE: AUGUST 1984

LANGUAGE:

ABSTRACT:

INDEX NUMBER: 84011

SOURCE: VIRGINIA STATE DEPARTMENT OF HEALTH

SUBJECT CATEGORIES

END POINTS

SPECIES

AC ELECTRIC FIELDS
AC MAGNETIC FIELDS

CANCER
CURRENT DENSITY
ELECTRIC FIELD MEASUREMENTS
ELECTRIC SHOCK
EXPOSURE STANDARDS
LEUKEMIA
LITERATURE REVIEW
MAGNETIC FIELD MEASUREMENTS
OCCUPATIONAL HEALTH
PERCEPTION

PSYCHOLOGY
PUBLIC HEALTH
REPRODUCTION

HUMANS

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ELF BIOLOGICAL EFFECTS LITERATURE DATABASE

AUTHOR(S): WERTHEIMER, N.

TITLE: CANCER AND ALTERNATING MAGNETIC FIELD EXPOSURE

PUBLICATION DATE: 1982

LANGUAGE:

ABSTRACT: YES

INDEX NUMBER: 82062

SOURCE: AMERICAN ASSOCIATION FOR THE ADVANCEMENT OF SCIENCE, 148TH NATIONAL MEETING

SUBJECT CATEGORIES

AC MAGNETIC FIELDS

CANCER
EPIDEMIOLOGY
HUMAN HEALTH
PUBLIC HEALTH

END POINTS

SPECIES

HUMANS

239

AUTHOR(S): WESTFALL, T.C. MELDRUM, M.J. BADINO, L. EARNHARDT, J.T.

TITLE: MORADRENERGIC TRANSMISSION IN THE ISOLATED PORTAL VEIN OF THE SPONTANEOUSLY HYPERTENSIVE RAT

PUBLICATION DATE: MARCH-APRIL 1984

LANGUAGE:

ABSTRACT:

INDEX NUMBER: 84087

SOURCE: HYPERTENSION, VOL. 6, NO. 2, PP. 267-274

SUBJECT CATEGORIES

UNCONVENTIONAL ELECTRIC FIELDS

BIOCHEMISTRY
NEUROPHYSIOLOGY
STRESS RESPONSE

END POINTS

SPECIES

SMALL MAMMALS

ELF BIOLOGICAL EFFECTS LITERATURE DATABASE

PAGE 232

AUTHOR(S): WIENDL, H.J.

TITLE: CLINICAL EXPERIENCE WITH ADDITIONAL POSTOPERATIVE ELECTROMAGNETIC STIMULATION OF PSEUDARTHROSES

PUBLICATION DATE: SEPTEMBER 1982

LANGUAGE:

ABSTRACT: YES

INDEX NUMBER: 82050

SOURCE: TRANSACTIONS OF THE SECOND ANNUAL MEETING OF THE BIOELECTRICAL REPAIR AND GROWTH SOCIETY, P. 83

SUBJECT CATEGORIES

END POINTS

SPECIES

UNSPECIFIED FIELDS

BONE GROWTH/REPAIR
CLINICAL MEDICINE

HUMANS

240

AUTHOR(S): WIENDL, H.J.

TITLE: CLINICAL EXPERIENCE WITH POSTOPERATIVE ELECTROMAGNETIC STIMULATION OF PSEUDARTHROSES

PUBLICATION DATE: 1982

LANGUAGE: GERMAN

ABSTRACT: ENGLISH

INDEX NUMBER: 82072

SOURCE: AKTUEL TRAUMATOL, VOL. 12, NO. 6, PP. 287-293

SUBJECT CATEGORIES

END POINTS

SPECIES

UNSPECIFIED FIELDS

BONE GROWTH/REPAIR
CLINICAL MEDICINE

HUMANS

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ELF BIOLOGICAL EFFECTS LITERATURE DATABASE

AUTHOR(S): WILLIAMS, T.C. WILLIAMS, J.M. LARYN, R.P. SUTHERLAND, P.J. COHEN, B.

TITLE: A RADAR INVESTIGATION OF THE EFFECTS OF EXTREMELY LOW FREQUENCY ELECTROMAGNETIC FIELDS ON FREE FLYING MIGRANT BIRDS

PUBLICATION DATE: JANUARY 1977

LANGUAGE:

ABSTRACT:

INDEX NUMBER: 77010

SOURCE: OFFICE OF NAVAL RESEARCH FINAL REPORT

SUBJECT CATEGORIES

AC ELECTRIC FIELDS
AC MAGNETIC FIELDS

BEHAVIOR
MIGRATION
MODULATION

END POINTS

SPECIES

AVIANS

241

AUTHOR(S): WILLIS, R.J. BROOYS, M.M.

TITLE: POTENTIAL HAZARDS OF NMR IMAGING. NO EVIDENCE OF THE POSSIBLE EFFECTS OF STAT. AND CHANGING MAGNETIC FIELDS ON CARDIAC FUNCTION OF THE RAT AND GUINEA PIG

PUBLICATION DATE: 1984

LANGUAGE:

ABSTRACT:

INDEX NUMBER: 84088

SOURCE: MAGNETIC RESONANCE IMAGING, VOL. 2, PP. 89-95

SUBJECT CATEGORIES

AC MAGNETIC FIELDS
UNCONVENTIONAL MAGNETIC FIELDS

CARDIOVASCULAR SYSTEM
HEART RATE

END POINTS

SPECIES

SMALL MAMMALS

PAGE 234 ELF BIOLOGICAL EFFECTS LITERATURE DATABASE

AUTHOR(S): WILSON, R.M. CHES, E.K. ANDERSON, L.E.

TITLE: ALTERATIONS IN PINEAL TRYPTOPHAN METABOLISM IN RATS EXPOSED TO 60 HZ ELECTRIC FIELDS

PUBLICATION DATE: JUNE 1985

LANGUAGE:

ABSTRACT: YES

INDEX NUMBER: 85075

SOURCE: BIOELECTROMAGNETICS SOCIETY 7TH ANNUAL MEETING

SUBJECT CATEGORIES

END POINTS

SPECIES

AC ELECTRIC FIELDS

CELL SYSTEMS
METABOLISM

SMALL MAMMALS

AUTHOR(S): WILSON, D.H.

TITLE: ACCELERATED REGENERATION IN PERIPHERAL NERVES EXPOSED TO PULSED RADIOFREQUENCY ENERGY

PUBLICATION DATE: NOVEMBER 1981

LANGUAGE:

ABSTRACT: YES

INDEX NUMBER: 81018

SOURCE: TRANSACTIONS OF THE FIRST ANNUAL MEETING OF THE BIOELECTRICAL REPAIR AND GROWTH SOCIETY, P. 54

SUBJECT CATEGORIES

END POINTS

SPECIES

UNSPECIFIED FIELDS

WOUND HEALING

SMALL MAMMALS

ELF BIOLOGICAL EFFECTS LITERATURE DATABASE

PAGE 235

AUTHOR(S): WILSON, D.H.

TITLE: AN INVESTIGATION OF THE EFFECT OF PULSED RADIOFREQUENCY ENERGY ON SPINAL CORD RECOVERY AFTER CORDOTOMY IN CATS

PUBLICATION DATE: NOVEMBER 1981

LANGUAGE:

ABSTRACT: YES

INDEX NUMBER: 81021

SOURCE: TRANSACTIONS OF THE FIRST ANNUAL MEETING OF THE BIDELECTRICAL REPAIR AND GROWTH SOCIETY, P. 65

SUBJECT CATEGORIES

END POINTS

SPECIES

UNCONVENTIONAL ELECTRIC FIELDS

NEUROPHYSIOLOGY

CATS

AUTHOR(S): WINTERS, M.D. CRAWLEY, R. YOUNG, R.J. PHILLIPS, J.L.

TITLE: BIOLOGICAL RESPONSES OF CANINE LEUKOCYTES AFTER EXPOSURE TO 60 HZ ELECTROMAGNETIC FIELDS IN VITRO

PUBLICATION DATE: JUNE 1985

LANGUAGE:

ABSTRACT: YES

INDEX NUMBER: 85045

SOURCE: BIDELECTROMAGNETICS SOCIETY 7TH ANNUAL MEETING

SUBJECT CATEGORIES

END POINTS

SPECIES

AC ELECTRIC FIELDS
AC MAGNETIC FIELDS

BIOCHEMISTRY
CELL SYSTEMS
DNA
IMMUNOLOGY
LEUKEMIA

CANINES

AUTHOR(S): WINTERS, W.D. GUEST, G.F. WINTERS, D.T. PHILLIPS, J.L.

TITLE: HUMAN LEUKOCYTE RESPONSES AFTER EXPOSURE TO 60 HZ ELECTROMAGNETIC FIELDS IN VITRO

PUBLICATION DATE: JUNE 1985

LANGUAGE:

ABSTRACT: YES

INDEX NUMBER: 85044

SOURCE: BIOELECTROMAGNETICS SOCIETY 7TH ANNUAL MEETING

SUBJECT CATEGORIES

END POINTS

SPECIES

AC ELECTRIC FIELDS
AC MAGNETIC FIELDS

BIOCHEMISTRY
CELL SYSTEMS
DNA
HUMAN HEALTH
IMMUNOLOGY
LEUKEMIA

HUMANS

AUTHOR(S): WINTERS, W.D. PHILLIPS, J.L.

TITLE: MAGNETIC AND ELECTROMAGNETIC FIELD EFFECTS ON BIOLOGICAL SYSTEMS

PUBLICATION DATE: MAY 1985

LANGUAGE:

ABSTRACT:

INDEX NUMBER: 85123

SOURCE: ASSESSMENTS AND VIEWPOINTS ON THE BIOLOGICAL AND HUMAN HEALTH EFFECTS OF EXTREMELY LOW FREQUENCY (ELF) ELECTROMAGNETIC FIELDS; AMERICAN INSTITUTE OF BIOLOGICAL SCIENCES, PP. 403-431

SUBJECT CATEGORIES

END POINTS

SPECIES

AC ELECTRIC FIELDS
AC MAGNETIC FIELDS

RESEARCH ASSESSMENT

ALL-INCLUSIVE

PAGE 237 ELF BIOLOGICAL EFFECTS LITERATURE DATABASE

AUTHOR(S): WISECUP, M. ROSEN, L. DIETRICH, F. FEERO, M.
TITLE: BIOLOGICAL EFFECTS FROM HIGH-VOLTAGE TRANSMISSION LINES: RESEARCH GUIDANCE

PUBLICATION DATE: SEPTEMBER 1983 ABSTRACT: INDEX NUMBER: 83020

SOURCE: AEROSPACE CORPORATION REPORT NO. ATR-83(7045)-2

SUBJECT CATEGORIES	END POINTS	SPECIES
AC ELECTRIC FIELDS AC MAGNETIC FIELDS	RESEARCH ASSESSMENT	ALL-INCLUSIVE

245

AUTHOR(S): WOLFMAN, J.R. SEEGER, R.F. DOWMAN, R.

TITLE: EFFECTS OF EXTREMELY LOW FREQUENCY ELECTRIC AND MAGNETIC FIELDS ON THE NERVOUS SYSTEM

PUBLICATION DATE: MAY 1985 ABSTRACT: INDEX NUMBER: 85124

SOURCE: ASSESSMENTS AND VIEWPOINTS ON THE BIOLOGICAL AND HUMAN HEALTH EFFECTS OF EXTREMELY LOW FREQUENCY (ELF) ELECTROMAGNETIC FIELDS; AMERICAN INSTITUTE OF BIOLOGICAL SCIENCES, PP. 433-461

SUBJECT CATEGORIES	END POINTS	SPECIES
AC ELECTRIC FIELDS AC MAGNETIC FIELDS	HUMAN HEALTH NEUROPHYSIOLOGY RESEARCH ASSESSMENT	ALL-INCLUSIVE

ELF BIOLOGICAL EFFECTS LITERATURE DATABASE

PAGE 238

AUTHOR(S): WONG, L.S.

TITLE: INTERACTIONS OF RADIOFREQUENCY RADIATION WITH NITELLA: ELECTRICAL EXCITATION AND PERTURBATION OF THE CONTROL OF CYTOPLASMIC STREAMING

PUBLICATION DATE: MARCH 1982

LANGUAGE:

ABSTRACT:

INDEX NUMBER: 82057

SOURCE: DARTMOUTH COLLEGE MASTER OF ARTS THESIS

SUBJECT CATEGORIES

END POINTS

SPECIES

AC ELECTRIC FIELDS

CELL SYSTEMS

MECHANISMS

MODELING

MARINE ORGANISMS

AUTHOR(S): YEVYUSHENKO, G.I. KALYADA, T.V. AKIMENKO, V.Y.

TITLE: A STUDY OF BIOLOGICAL EFFECTS OF STATIC AND LOW-FREQUENCY ELECTROMAGNETIC FIELDS

PUBLICATION DATE: 1981

LANGUAGE:

ABSTRACT:

INDEX NUMBER: 81027

SOURCE: US-USSR WORKSHOP ON PHYSICAL FACTORS, MICROWAVES & LOW FREQUENCY FIELDS, PP. 265-272

SUBJECT CATEGORIES

END POINTS

SPECIES

AC ELECTRIC FIELDS

AC MAGNETIC FIELDS

BIOCHEMISTRY

IMMUNOLOGY

METABOLISM

NEUROPHYSIOLOGY

OPTICAL EFFECTS

PATHOLOGY

PHYSIOLOGY

HUMANS

SMALL MAMMALS

PAGE 239

ELF BIOLOGICAL EFFECTS LITERATURE DATABASE

AUTHOR(S): YEVTUSHENKO, G.I. KOLODYB, F.A.

TITLE: POSSIBLE MECHANISMS OF BIOLOGICAL EFFECTS OF LOW-FREQUENCY ELECTROMAGNETIC FIELDS

PUBLICATION DATE: 1981

LANGUAGE:

ABSTRACT:

INDEX NUMBER: 81024

SOURCE: US-USSR WORKSHOP ON PHYSICAL FACTORS, MICROWAVES & LOW FREQUENCY FIELDS, PP. 245-251

SUBJECT CATEGORIES

END POINTS

SPECIES

AC MAGNETIC FIELDS
UNCONVENTIONAL MAGNETIC FIELDS
BIOCHEMISTRY
CARDIOVASCULAR FUNCTION
CELL SYSTEMS
ENDOCRINOLOGY
IMMUNOLOGY
LITERATURE REVIEW
MECHANISMS
METABOLISM
NEUROPHYSIOLOGY
PHYSIOLOGY

SMALL MAMMALS

AUTHOR(S): YOSHINO, Y. UMAZUME, Y. MATSUI, R. FUJINE, S. CHIBA, S.

TITLE: OPTICAL DIFFRACTION STUDY ON MUSCLE FIBERS, II. ELECTRO-OPTICAL PROPERTIES OF MUSCLE FIBERS

PUBLICATION DATE: 1978

LANGUAGE:

ABSTRACT:

INDEX NUMBER: 78005

SOURCE: BIOPHYSICAL CHEMISTRY, NO. 8, PP. 317-326

SUBJECT CATEGORIES

END POINTS

SPECIES

AC ELECTRIC FIELDS
UNCONVENTIONAL ELECTRIC FIELDS
MECHANISMS
MODELS
OPTICAL EFFECTS
TISSUE CULTURES

AMPHIBIANS

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ELF BIOLOGICAL EFFECTS LITERATURE DATABASE

AUTHOR(S): YOUNG, T.

TITLE: THE EFFECTS OF ELECTROMAGNETIC FIELDS PRODUCED BY HIGH VOLTAGE TRANSMISSION LINES

PUBLICATION DATE: JUNE 1984

LANGUAGE:

ABSTRACT:

INDEX NUMBER: 84051

SOURCE: MICHIGAN LEGISLATIVE SCIENCE OFFICE REPORT NP-5900034

SUBJECT CATEGORIES

END POINTS

SPECIES

AC ELECTRIC FIELDS
AC MAGNETIC FIELDS

LITERATURE REVIEW

ALL-INCLUSIVE

AUTHOR(S): ZAPOTOSKY, J.E. ABROMAVAGE, M.M. ENK, J.D.

TITLE: EXTREMELY LOW FREQUENCY (ELF) COMMUNICATIONS SYSTEM ECOLOGICAL MONITORING PROGRAM: SUMMARY OF 1983 PROGRESS

PUBLICATION DATE: JULY 1984

LANGUAGE:

ABSTRACT:

INDEX NUMBER: 84016

SOURCE: NAVAL ELECTRONIC SYSTEMS COMMAND, 11T RESEARCH INSTITUTE TECHNICAL REPORT ED6549-9

SUBJECT CATEGORIES

END POINTS

SPECIES

AC ELECTRIC FIELDS
AC MAGNETIC FIELDS

ASSESSMENT METHODS
BEHAVIOR

ECOLOGICAL STUDIES
GROWTH AND DEVELOPMENT
MIGRATION
POPULATION DYNAMICS
SPECIES DIVERSITY

AVIANS
AQUATIC INSECTS
BACTERIA
FISH
MARINE ORGANISMS
PLANTS
POLLINATING INSECTS
SMALL MAMMALS
SOIL ORGANISMS
TREES

ELF BIOLOGICAL EFFECTS LITERATURE DATABASE

PAGE 241

AUTHOR(S): ZAVIALOV, A.V. DIACHENKO, V.K.

TITLE: CORRELATION BETWEEN ACUTE CEREBRAL CIRCULATORY DISORDERS AND CHANGES IN THE EARTH'S MAGNETIC FIELD

PUBLICATION DATE: 1984

LANGUAGE: RUSSIAN

ABSTRACT: ENGLISH

INDEX NUMBER: 84089

SOURCE: Zh. NEUROPATOL PSIKHIAIIR, VOL. 84, NO. 8, PP. 1137-1140

SUBJECT CATEGORIES

GEOMAGNETIC FIELDS

BRAIN SYSTEM
STRESS RESPONSE

END POINTS

SPECIES

HUMANS

AUTHOR(S): ZEHNER, J.B.

TITLE: ELECTROMAGNETIC STIMULATION OF FREEZE-DRIED CORTICAL BONE GRAFTS IN RABBITS

PUBLICATION DATE: SEPTEMBER 1982

LANGUAGE:

ABSTRACT: YES

INDEX NUMBER: 82047

SOURCE: TRANSACTIONS OF THE SECOND ANNUAL MEETING OF THE BIOELECTRICAL REPAIR AND GROWTH SOCIETY, P. 72

SUBJECT CATEGORIES

UNCONVENTIONAL MAGNETIC FIELDS

BONE GROWTH/REPAIR

END POINTS

SPECIES

SMALL MAMMALS

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ELF BIOLOGICAL EFFECTS LITERATURE DATABASE

AUTHOR(S): ZHANG, S.Q. BUTLER, J.M. COLE, D.F.

TITLE: SENSORY NEURAL MECHANISMS IN CONTRACTION OF THE RABBIT ISOLATED SPHINCTER PUPILLAE: ANALYSIS OF THE RESPONSES TO CAPSAICIN AND ELECTRICAL FIELD STIMULATION

PUBLICATION DATE: FEBRUARY 1984

LANGUAGE:

ABSTRACT:

INDEX NUMBER: 84052

SOURCE: EXPERIMENTAL EYE RESEARCH, VOL. 38, NO. 2, PP. 153-163

SUBJECT CATEGORIES

END POINTS

SPECIES

UNCONVENTIONAL ELECTRIC FIELDS

ELECTROSENSITIVITY

MECHANISMS

OPTICAL EFFECTS

SMALL MAMMALS

AUTHOR(S): ZHENG, E. SHAO, S. WEBSTER, J.G.

TITLE: IMPEDANCE OF SKELETAL MUSCLE FROM 1 HZ TO 1 MHZ

PUBLICATION DATE: JUNE 1984

LANGUAGE:

ABSTRACT:

INDEX NUMBER: 84026

SOURCE: IEEE TRANSACTIONS ON BIOMEDICAL ENGINEERING, VOL. BME-31, NO. 6, PP. 477-481

SUBJECT CATEGORIES

END POINTS

SPECIES

UNSPECIFIED FIELDS

MEASUREMENT METHODS

MODELING

DOMESTIC FOWL

SMALL MAMMALS

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ELF BIOLOGICAL EFFECTS LITERATURE DATABASE

AUTHOR(S): ZICHNER, L. SCALE, D.

TITLE: REPAIR OF NONUNIONS BY ELECTRICALLY PULSED CURRENT STIMULATION

PUBLICATION DATE: SEPTEMBER 1982

LANGUAGE:

ABSTRACT: YES

INDEX NUMBER: 82026

SOURCE: TRANSACTIONS OF THE SECOND ANNUAL MEETING OF THE BIOELECTRICAL REPAIR AND GROWTH SOCIETY, P. 74

SUBJECT CATEGORIES

END POINTS

SPECIES

UNSPECIFIED FIELDS

BONE GROWTH/REPAIR

UNSPECIFIED

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